

中华人民共和国农林部

部 标 准

立 木 材 积 表

LY 208-77

调整: LY/T 1353-1999



北 京

1978

2836

# 目 录

|                            |        |
|----------------------------|--------|
| 一、说 明 .....                | ( 1 )  |
| 二、东北地区落叶松二元立木材积表 .....     | ( 3 )  |
| 三、红松二元立木材积表 .....          | ( 8 )  |
| 四、东北地区云、冷杉二元立木材积表 .....    | ( 16 ) |
| 五、大兴安岭樟子松二元立木材积表 .....     | ( 25 ) |
| 六、沙地樟子松二元立木材积表 .....       | ( 30 ) |
| 七、东北地区柞树二元立木材积表 .....      | ( 34 ) |
| 八、东北地区山杨二元立木材积表 .....      | ( 37 ) |
| 九、东北地区白桦二元立木材积表 .....      | ( 39 ) |
| 十、东北地区黑桦二元立木材积表 .....      | ( 44 ) |
| 十一、东北地区阔叶树二元立木材积表 .....    | ( 48 ) |
| 十二、华北地区落叶松二元立木材积表 .....    | ( 55 ) |
| 十三、华北地区落叶松人工林二元立木材积表 ..... | ( 57 ) |
| 十四、华北地区松类人工林二元立木材积表 .....  | ( 59 ) |
| 十五、华北地区云杉二元立木材积表 .....     | ( 61 ) |
| 十六、华北地区侧柏二元立木材积表 .....     | ( 63 ) |
| 十七、华北地区山杨二元立木材积表 .....     | ( 65 ) |
| 十八、华北地区桦木二元立木材积表 .....     | ( 67 ) |
| 十九、华北地区刺槐二元立木材积表 .....     | ( 69 ) |



|                             |         |
|-----------------------------|---------|
| 二 十、华北地区阔叶树二元立木材积表 .....    | ( 71 )  |
| 二十一、杉木二元立木材积表 (一) .....     | ( 73 )  |
| 二十二、杉木二元立木材积表 (二) .....     | ( 78 )  |
| 二十三、马尾松二元立木材积表 (一) .....    | ( 83 )  |
| 二十四、马尾松二元立木材积表 (二) .....    | ( 89 )  |
| 二十五、黄山松二元立木材积表 .....        | ( 95 )  |
| 二十六、北亚热带阔叶树二元立木材积表 .....    | ( 97 )  |
| 二十七、南亚热带阔叶树二元立木材积表 .....    | ( 102 ) |
| 二十八、海南岛阔叶混交林二元立木材积表 .....   | ( 111 ) |
| 二十九、桉树二元立木材积表 .....         | ( 121 ) |
| 三 十、西南地区云杉二元立木材积表 (一) ..... | ( 125 ) |
| 三十一、西南地区云杉二元立木材积表 (二) ..... | ( 137 ) |
| 三十二、西南地区冷杉二元立木材积表 (一) ..... | ( 150 ) |
| 三十三、西南地区冷杉二元立木材积表 (二) ..... | ( 162 ) |
| 三十四、云南松二元立木材积表 .....        | ( 169 ) |
| 三十五、思茅松二元立木材积表 .....        | ( 177 ) |
| 三十六、高山松二元立木材积表 .....        | ( 183 ) |
| 三十七、西南地区柏、杉类二元立木材积表 .....   | ( 189 ) |
| 三十八、西南地区桦木二元立木材积表 .....     | ( 194 ) |
| 三十九、西南地区栎类二元立木材积表 .....     | ( 198 ) |
| 四 十、西南地区丝栗、高山栎二元立木材积表 ..... | ( 203 ) |
| 四十一、四川和滇西北阔叶树二元立木材积表 .....  | ( 209 ) |

|                              |         |
|------------------------------|---------|
| 四十二、油松二元立木材积表 .....          | ( 215 ) |
| 四十三、华山松二元立木材积表 .....         | ( 220 ) |
| 四十四、西北地区落叶松二元立木材积表 (一) ..... | ( 224 ) |
| 四十五、西北地区落叶松二元立木材积表 (二) ..... | ( 230 ) |
| 四十六、西北地区冷杉二元立木材积表 .....      | ( 239 ) |
| 四十七、西北地区云杉二元立木材积表 (一) .....  | ( 247 ) |
| 四十八、西北地区云杉二元立木材积表 (二) .....  | ( 260 ) |
| 四十九、西北地区云杉二元立木材积表 (三) .....  | ( 265 ) |
| 五十、西北地区山杨二元立木材积表 .....       | ( 271 ) |
| 五十一、西北地区桦木二元立木材积表 .....      | ( 273 ) |
| 五十二、西北地区栎类二元立木材积表 .....      | ( 276 ) |
| 五十三、西北地区阔叶树二元立木材积表 .....     | ( 278 ) |
| 五十四、西藏地区云杉二元立木材积表 .....      | ( 280 ) |
| 五十五、西藏地区高山松二元立木材积表 .....     | ( 306 ) |
| 五十六、西藏地区冷杉二元立木材积表 .....      | ( 319 ) |
| 五十七、西藏地区乔松二元立木材积表 .....      | ( 336 ) |
| 附 录 .....                    | ( 342 ) |

# 中华人民共和国农林部

## 部 标 准

### 立 木 材 积 表

LY 208-77

#### 一、说 明

1. 本表是在收集全国各地一百八十个树种的十九万七千株样木资料基础上编制的,共有五十六个二元立木材积表,其中针叶树三十五个,阔叶树二十一个,编表系统误差一般在正负百分之一以内,少数在正负百分之一到百分之二之间。

#### 2. 二元立木材积表适用范围:

东北林区的各树种二元立木材积表,适用于大、小兴安岭、长白山、牡丹江、完达山等林区,其中阔叶树二元立木材积表适用于除柞、山杨、白桦、黑桦以外的所有阔叶树及阔叶混交林中的白桦树、针叶林分内混生的阔叶树。

华北地区的各树种二元立木材积表,适用于北京、天津、山东、山西、河南、河北、内蒙古等省、市、自治区的林分,其中阔叶树二元立木材积表,适用于除山杨、刺槐、桦木以外的所有阔叶树林分。松类人工林二元立木材积表,适用于油松、赤松、黑松等人工林。落叶松人工林二元立木材积表,适用于华北地区及辽宁的落叶松人工林。

杉木二元立木材积表(一)适用于湖南、湖北、广东、广西、浙江、安徽、江苏、四川、贵州等省、自治区的杉木林。

中华人民共和国农林部 发布

农林部林业局 提出

1 9 7 8 年 1 月 1 日 实施

中国农林科学院、农林部设计院 起草  
黑龙江省大兴安岭地区森林调查规划大队

杉木二元立木材积表(二)适用于江西、福建省的杉木林。

马尾松二元立木材积表(一)适用于湖南、江西、广东、广西、福建、浙江、江苏、安徽、贵州等省、自治区的马尾松林。马尾松二元立木材积表(二)适用于四川、湖北省的马尾松林。

北亚热带指湖北、湖南、江西、浙江、江苏、安徽和桂北地区。南亚热带指广东、广西(不含桂北)、福建、云南南部、台湾等,其阔叶树二元立木材积表适用于这些地区(除海南岛以外)的所有阔叶树林分(桉树等人工林分除外),海南岛阔叶混交林单独编制了二元立木材积表。台湾省的立木材积表,由于缺少资料,未编在内,待以后补充。

西南地区云杉和冷杉二元立木材积表(一)适用于四川省云杉、冷杉林,西南地区云杉和冷杉二元立木材积表(二)适用于云南省云杉、冷杉林。西南地区柏、杉类二元立木材积表,适用于西南及湖北西部地区的侧柏、圆柏、桧柏、柳杉、油杉、铁杉等林分。四川和滇西北阔叶树二元立木材积表适用于除桦、栎类以外的所有阔叶树林分。

西北地区落叶松二元立木材积表(一)适用于天山林区,西北地区落叶松二元立木材积表(二)适用于阿尔泰林区。西北地区云杉二元立木材积表(一)主要适用于天山、祁连山、六盘山等林区,西北地区云杉二元立木材积表(二)适用于阿尔泰林区,西北地区云杉二元立木材积表(三)适用于青海省云杉林区。

西北地区阔叶树二元立木材积表适用于该地区除山杨、桦木、栎类以外的所有阔叶树林分。

### 3. 表中计量单位:

胸高直径( $D$ ): 从地径起1.3米处的树干直径      厘米;

树高( $H$ ):      米;

材积( $V$ ): 即树干材积, 不包括枝权材积      立方米。

### 4. 材积表的使用:

在测得立木的 $D$ 、 $H$ 后,查材积表中相应 $D$ 、 $H$ 的 $V$ ,即为该立木的材积。如为计测简便起见,亦可将二元立木材积表导算成一元立木材积表使用。导算方法详见附录。

## 二、东北地区落叶松二元立木材积表

$$V = 0.000050168241 D^{1.7582894} H^{1.1488853}$$

表 1

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |       |       |       |       |       |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.012 |
| 6                                      | 0.003 | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.013 | 0.015 | 0.017 | 0.018 | 0.020 | 0.022 | 0.024 |
| 8                                      |       | 0.007 | 0.010 | 0.012 | 0.015 | 0.018 | 0.021 | 0.024 | 0.027 | 0.031 | 0.034 | 0.037 | 0.040 |
| 10                                     |       | 0.010 | 0.014 | 0.018 | 0.023 | 0.027 | 0.031 | 0.036 | 0.041 | 0.045 | 0.050 | 0.055 | 0.060 |
| 12                                     |       |       | 0.020 | 0.025 | 0.031 | 0.037 | 0.043 | 0.050 | 0.056 | 0.062 | 0.069 | 0.076 | 0.082 |
| 14                                     |       |       |       | 0.033 | 0.041 | 0.049 | 0.057 | 0.065 | 0.073 | 0.082 | 0.090 | 0.099 | 0.108 |
| 16                                     |       |       |       |       | 0.052 | 0.062 | 0.072 | 0.082 | 0.093 | 0.103 | 0.114 | 0.125 | 0.137 |
| 18                                     |       |       |       |       |       | 0.076 | 0.088 | 0.101 | 0.114 | 0.127 | 0.141 | 0.154 | 0.168 |
| 20                                     |       |       |       |       |       | 0.091 | 0.106 | 0.122 | 0.137 | 0.153 | 0.169 | 0.186 | 0.202 |
| 22                                     |       |       |       |       |       | 0.108 | 0.126 | 0.144 | 0.162 | 0.181 | 0.200 | 0.220 | 0.239 |
| 24                                     |       |       |       |       |       |       | 0.146 | 0.168 | 0.189 | 0.211 | 0.233 | 0.256 | 0.279 |
| 26                                     |       |       |       |       |       |       | 0.169 | 0.193 | 0.218 | 0.243 | 0.269 | 0.294 | 0.321 |
| 28                                     |       |       |       |       |       |       |       | 0.220 | 0.248 | 0.277 | 0.306 | 0.335 | 0.365 |
| 30                                     |       |       |       |       |       |       |       |       | 0.280 | 0.313 | 0.345 | 0.379 | 0.412 |
| 32                                     |       |       |       |       |       |       |       |       |       | 0.350 | 0.387 | 0.424 | 0.462 |
| 34                                     |       |       |       |       |       |       |       |       |       |       | 0.430 | 0.472 | 0.514 |
| 36                                     |       |       |       |       |       |       |       |       |       |       |       | 0.522 | 0.568 |
| 38                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.625 |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表 1

| $\begin{array}{c} V \\ \swarrow \\ D \end{array} \quad H$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-----------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                                         | 0.013 |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                                         | 0.026 | 0.028 | 0.030 |       |       |       |       |       |       |       |       |       |       |
| 8                                                         | 0.044 | 0.047 | 0.050 | 0.054 | 0.057 | 0.061 | 0.064 |       |       |       |       |       |       |
| 10                                                        | 0.065 | 0.070 | 0.075 | 0.080 | 0.085 | 0.090 | 0.095 | 0.100 | 0.106 |       |       |       |       |
| 12                                                        | 0.089 | 0.096 | 0.103 | 0.110 | 0.117 | 0.124 | 0.131 | 0.138 | 0.146 | 0.153 | 0.160 | 0.168 |       |
| 14                                                        | 0.117 | 0.126 | 0.135 | 0.144 | 0.153 | 0.163 | 0.172 | 0.182 | 0.191 | 0.201 | 0.210 | 0.220 | 0.230 |
| 16                                                        | 0.148 | 0.159 | 0.171 | 0.182 | 0.194 | 0.206 | 0.218 | 0.230 | 0.242 | 0.254 | 0.266 | 0.278 | 0.291 |
| 18                                                        | 0.182 | 0.196 | 0.210 | 0.224 | 0.239 | 0.253 | 0.268 | 0.282 | 0.297 | 0.312 | 0.327 | 0.342 | 0.357 |
| 20                                                        | 0.219 | 0.236 | 0.253 | 0.270 | 0.287 | 0.305 | 0.322 | 0.340 | 0.358 | 0.376 | 0.394 | 0.412 | 0.430 |
| 22                                                        | 0.259 | 0.279 | 0.299 | 0.319 | 0.340 | 0.360 | 0.381 | 0.402 | 0.423 | 0.444 | 0.466 | 0.487 | 0.509 |
| 24                                                        | 0.302 | 0.325 | 0.348 | 0.372 | 0.396 | 0.420 | 0.444 | 0.468 | 0.493 | 0.518 | 0.543 | 0.568 | 0.593 |
| 26                                                        | 0.347 | 0.374 | 0.401 | 0.428 | 0.456 | 0.483 | 0.511 | 0.539 | 0.567 | 0.596 | 0.624 | 0.653 | 0.682 |
| 28                                                        | 0.395 | 0.426 | 0.457 | 0.488 | 0.519 | 0.550 | 0.582 | 0.614 | 0.646 | 0.679 | 0.711 | 0.744 | 0.777 |
| 30                                                        | 0.446 | 0.481 | 0.516 | 0.551 | 0.586 | 0.621 | 0.657 | 0.693 | 0.730 | 0.766 | 0.803 | 0.840 | 0.877 |
| 32                                                        | 0.500 | 0.539 | 0.577 | 0.617 | 0.656 | 0.696 | 0.736 | 0.777 | 0.817 | 0.858 | 0.900 | 0.941 | 0.983 |
| 34                                                        | 0.556 | 0.599 | 0.642 | 0.686 | 0.730 | 0.774 | 0.819 | 0.864 | 0.909 | 0.955 | 1.001 | 1.047 | 1.093 |
| 36                                                        | 0.615 | 0.663 | 0.710 | 0.759 | 0.807 | 0.856 | 0.906 | 0.955 | 1.006 | 1.056 | 1.107 | 1.158 | 1.209 |
| 38                                                        | 0.676 | 0.729 | 0.781 | 0.834 | 0.888 | 0.942 | 0.996 | 1.051 | 1.106 | 1.161 | 1.217 | 1.273 | 1.330 |
| 40                                                        | 0.740 | 0.797 | 0.855 | 0.913 | 0.972 | 1.031 | 1.090 | 1.150 | 1.210 | 1.271 | 1.332 | 1.393 | 1.455 |

续表 1

| $V \backslash H$<br>$D$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                      | 0.240 |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                      | 0.303 | 0.315 | 0.328 |       |       |       |       |       |       |       |       |       |       |
| 18                      | 0.373 | 0.388 | 0.403 | 0.419 | 0.434 |       |       |       |       |       |       |       |       |
| 20                      | 0.449 | 0.467 | 0.486 | 0.504 | 0.523 | 0.542 |       |       |       |       |       |       |       |
| 22                      | 0.530 | 0.552 | 0.574 | 0.596 | 0.618 | 0.641 | 0.663 |       |       |       |       |       |       |
| 24                      | 0.618 | 0.643 | 0.669 | 0.695 | 0.721 | 0.746 | 0.773 | 0.799 |       |       |       |       |       |
| 26                      | 0.711 | 0.741 | 0.770 | 0.800 | 0.829 | 0.859 | 0.889 | 0.919 | 0.950 |       |       |       |       |
| 28                      | 0.810 | 0.844 | 0.877 | 0.911 | 0.945 | 0.979 | 1.013 | 1.047 | 1.082 | 1.116 |       |       |       |
| 30                      | 0.915 | 0.953 | 0.990 | 1.028 | 1.067 | 1.105 | 1.144 | 1.182 | 1.221 | 1.260 | 1.300 |       |       |
| 32                      | 1.025 | 1.067 | 1.109 | 1.152 | 1.195 | 1.238 | 1.281 | 1.325 | 1.368 | 1.412 | 1.456 | 1.500 |       |
| 34                      | 1.140 | 1.187 | 1.234 | 1.282 | 1.329 | 1.377 | 1.425 | 1.474 | 1.522 | 1.571 | 1.620 | 1.669 | 1.718 |
| 36                      | 1.261 | 1.313 | 1.365 | 1.417 | 1.470 | 1.523 | 1.576 | 1.629 | 1.683 | 1.737 | 1.791 | 1.845 | 1.900 |
| 38                      | 1.386 | 1.443 | 1.501 | 1.559 | 1.616 | 1.675 | 1.733 | 1.792 | 1.851 | 1.910 | 1.970 | 2.029 | 2.089 |
| 40                      | 1.517 | 1.580 | 1.643 | 1.706 | 1.769 | 1.833 | 1.897 | 1.961 | 2.026 | 2.090 | 2.155 | 2.221 | 2.286 |

续表 1

| $\frac{V}{D}$ \ $H$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                  | 0.869 | 0.931 | 0.995 | 1.059 | 1.123 | 1.188 | 1.253 | 1.319 | 1.385 | 1.451 | 1.518 | 1.585 | 1.653 | 1.721 | 1.790 |
| 44                  | 0.943 | 1.011 | 1.080 | 1.149 | 1.219 | 1.289 | 1.360 | 1.431 | 1.503 | 1.575 | 1.648 | 1.721 | 1.794 | 1.868 | 1.942 |
| 46                  |       | 1.093 | 1.167 | 1.242 | 1.318 | 1.394 | 1.470 | 1.547 | 1.625 | 1.703 | 1.781 | 1.860 | 1.940 | 2.020 | 2.100 |
| 48                  |       | 1.178 | 1.258 | 1.339 | 1.420 | 1.502 | 1.584 | 1.668 | 1.751 | 1.835 | 1.920 | 2.005 | 2.091 | 2.177 | 2.263 |
| 50                  |       |       | 1.352 | 1.438 | 1.526 | 1.614 | 1.702 | 1.792 | 1.881 | 1.972 | 2.063 | 2.154 | 2.246 | 2.339 | 2.432 |
| 52                  |       |       |       | 1.541 | 1.635 | 1.729 | 1.824 | 1.920 | 2.016 | 2.113 | 2.210 | 2.308 | 2.407 | 2.506 | 2.605 |
| 54                  |       |       |       | 1.647 | 1.747 | 1.848 | 1.949 | 2.051 | 2.154 | 2.258 | 2.363 | 2.466 | 2.572 | 2.678 | 2.784 |
| 56                  |       |       |       | 1.755 | 1.862 | 1.970 | 2.078 | 2.187 | 2.296 | 2.407 | 2.518 | 2.629 | 2.742 | 2.854 | 2.968 |
| 58                  |       |       |       |       | 1.981 | 2.095 | 2.210 | 2.326 | 2.442 | 2.560 | 2.678 | 2.797 | 2.916 | 3.036 | 3.157 |
| 60                  |       |       |       |       | 2.102 | 2.224 | 2.346 | 2.469 | 2.592 | 2.717 | 2.848 | 2.968 | 3.095 | 3.223 | 3.351 |
| 62                  |       |       |       |       |       | 2.355 | 2.485 | 2.615 | 2.746 | 2.878 | 3.011 | 3.145 | 3.279 | 3.414 | 3.550 |
| 64                  |       |       |       |       |       |       | 2.628 | 2.765 | 2.904 | 3.044 | 3.184 | 3.325 | 3.467 | 3.610 | 3.753 |
| 66                  |       |       |       |       |       |       | 2.774 | 2.919 | 3.065 | 3.213 | 3.361 | 3.510 | 3.660 | 3.810 | 3.962 |
| 68                  |       |       |       |       |       |       | 2.923 | 3.076 | 3.231 | 3.386 | 3.542 | 3.699 | 3.857 | 4.016 | 4.175 |
| 70                  |       |       |       |       |       |       | 3.076 | 3.237 | 3.400 | 3.563 | 3.727 | 3.893 | 4.059 | 4.226 | 4.394 |
| 72                  |       |       |       |       |       |       | 3.232 | 3.402 | 3.572 | 3.744 | 3.917 | 4.090 | 4.265 | 4.440 | 4.617 |
| 74                  |       |       |       |       |       |       | 3.392 | 3.510 | 3.749 | 3.929 | 4.110 | 4.292 | 4.475 | 4.660 | 4.845 |
| 76                  |       |       |       |       |       |       | 3.555 | 3.741 | 3.928 | 4.117 | 4.307 | 4.498 | 4.690 | 4.883 | 5.077 |
| 78                  |       |       |       |       |       |       | 3.721 | 3.916 | 4.112 | 4.310 | 4.508 | 4.708 | 4.909 | 5.111 | 5.315 |
| 80                  |       |       |       |       |       |       | 3.890 | 4.094 | 4.299 | 4.506 | 4.714 | 4.923 | 5.133 | 5.344 | 5.557 |
| 82                  |       |       |       |       |       |       | 4.063 | 4.276 | 4.490 | 4.706 | 4.923 | 5.141 | 5.361 | 5.581 | 5.803 |
| 84                  |       |       |       |       |       |       | 4.238 | 4.461 | 4.684 | 4.909 | 5.136 | 5.364 | 5.593 | 5.823 | 6.054 |



续表 1

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 1.858 | 1.927 | 1.997 | 2.067 | 2.137 | 2.207 | 2.278 |       |       |       |       |       |       |       |       |
| 44                                                | 2.017 | 2.092 | 2.167 | 2.243 | 2.319 | 2.395 | 2.472 | 2.549 |       |       |       |       |       |       |       |
| 46                                                | 2.181 | 2.262 | 2.343 | 2.425 | 2.507 | 2.590 | 2.673 | 2.756 | 2.839 |       |       |       |       |       |       |
| 48                                                | 2.350 | 2.438 | 2.525 | 2.614 | 2.702 | 2.791 | 2.880 | 2.970 | 3.060 | 3.150 |       |       |       |       |       |
| 50                                                | 2.525 | 2.619 | 2.713 | 2.808 | 2.903 | 2.999 | 3.095 | 3.191 | 3.288 | 3.385 |       |       |       |       |       |
| 52                                                | 2.705 | 2.806 | 2.907 | 3.008 | 3.110 | 3.213 | 3.316 | 3.419 | 3.523 | 3.627 |       |       |       |       |       |
| 54                                                | 2.891 | 2.998 | 3.106 | 3.215 | 3.324 | 3.433 | 3.543 | 3.653 | 3.764 | 3.875 |       |       |       |       |       |
| 56                                                | 3.082 | 3.196 | 3.312 | 3.427 | 3.543 | 3.660 | 3.777 | 3.895 | 4.013 | 4.131 |       |       |       |       |       |
| 58                                                | 3.278 | 3.400 | 3.522 | 3.645 | 3.769 | 3.893 | 4.017 | 4.143 | 4.268 | 4.394 | 4.521 |       |       |       |       |
| 60                                                | 3.479 | 3.609 | 3.739 | 3.869 | 4.000 | 4.132 | 4.264 | 4.397 | 4.530 | 4.664 | 4.798 | 4.933 | 5.068 |       |       |
| 62                                                | 3.686 | 3.823 | 3.961 | 4.099 | 4.238 | 4.377 | 4.517 | 4.658 | 4.799 | 4.941 | 5.083 | 5.226 | 5.369 |       |       |
| 64                                                | 3.897 | 4.042 | 4.188 | 4.334 | 4.481 | 4.629 | 4.777 | 4.925 | 5.075 | 5.225 | 5.375 | 5.526 | 5.678 |       |       |
| 66                                                | 4.114 | 4.267 | 4.421 | 4.575 | 4.730 | 4.886 | 5.042 | 5.199 | 5.357 | 5.515 | 5.674 | 5.833 | 5.993 |       |       |
| 68                                                | 4.336 | 4.497 | 4.659 | 4.822 | 4.985 | 5.149 | 5.314 | 5.479 | 5.645 | 5.812 | 5.980 | 6.148 | 6.316 | 6.485 |       |
| 70                                                | 4.563 | 4.732 | 4.903 | 5.074 | 5.246 | 5.418 | 5.592 | 5.766 | 5.941 | 6.116 | 6.292 | 6.469 | 6.646 | 6.824 |       |
| 72                                                | 4.794 | 4.973 | 5.152 | 5.331 | 5.512 | 5.694 | 5.876 | 6.059 | 6.242 | 6.427 | 6.612 | 6.798 | 6.984 | 7.171 |       |
| 74                                                | 5.031 | 5.218 | 5.406 | 5.595 | 5.784 | 5.975 | 6.166 | 6.358 | 6.550 | 6.744 | 6.938 | 7.133 | 7.329 | 7.525 |       |
| 76                                                | 5.272 | 5.468 | 5.665 | 5.863 | 6.062 | 6.261 | 6.462 | 6.663 | 6.865 | 7.068 | 7.271 | 7.475 | 7.680 | 7.886 | 8.093 |
| 78                                                | 5.519 | 5.724 | 5.930 | 6.137 | 6.345 | 6.554 | 6.764 | 6.974 | 7.186 | 7.398 | 7.611 | 7.825 | 8.039 | 8.255 | 8.471 |
| 80                                                | 5.770 | 5.985 | 6.200 | 6.417 | 6.634 | 6.852 | 7.072 | 7.292 | 7.513 | 7.735 | 7.957 | 8.181 | 8.405 | 8.630 | 8.856 |
| 82                                                | 6.026 | 6.250 | 6.475 | 6.701 | 6.928 | 7.156 | 7.385 | 7.615 | 7.846 | 8.078 | 8.311 | 8.544 | 8.778 | 9.013 | 9.249 |
| 84                                                | 6.887 | 6.521 | 6.755 | 6.991 | 7.228 | 7.466 | 7.705 | 7.945 | 8.186 | 8.428 | 8.670 | 8.914 | 9.158 | 9.403 | 9.650 |

## 三、红松二元立木材积表

$$V = 0.000063527721 D^{1.9435455} H^{0.89889361}$$

表 2

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |
| 4                                      | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.009 | 0.010 |
| 6                                      | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 | 0.022 |
| 8                                      |       | 0.010 | 0.013 | 0.015 | 0.018 | 0.021 | 0.023 | 0.026 | 0.029 | 0.031 | 0.034 | 0.036 | 0.039 |
| 10                                     |       |       | 0.019 | 0.024 | 0.028 | 0.032 | 0.036 | 0.040 | 0.044 | 0.048 | 0.052 | 0.056 | 0.059 |
| 12                                     |       |       |       | 0.034 | 0.040 | 0.046 | 0.051 | 0.057 | 0.063 | 0.068 | 0.074 | 0.079 | 0.085 |
| 14                                     |       |       |       | 0.045 | 0.054 | 0.061 | 0.069 | 0.077 | 0.085 | 0.092 | 0.100 | 0.107 | 0.114 |
| 16                                     |       |       |       |       | 0.069 | 0.080 | 0.090 | 0.100 | 0.110 | 0.119 | 0.129 | 0.139 | 0.148 |
| 18                                     |       |       |       |       | 0.087 | 0.100 | 0.113 | 0.125 | 0.138 | 0.150 | 0.162 | 0.174 | 0.186 |
| 20                                     |       |       |       |       |       | 0.123 | 0.139 | 0.154 | 0.169 | 0.184 | 0.199 | 0.214 | 0.229 |
| 22                                     |       |       |       |       |       | 0.148 | 0.167 | 0.185 | 0.204 | 0.222 | 0.240 | 0.258 | 0.275 |
| 24                                     |       |       |       |       |       |       | 0.197 | 0.219 | 0.241 | 0.263 | 0.284 | 0.305 | 0.326 |
| 26                                     |       |       |       |       |       |       | 0.231 | 0.256 | 0.282 | 0.307 | 0.332 | 0.357 | 0.381 |
| 28                                     |       |       |       |       |       |       | 0.266 | 0.296 | 0.325 | 0.354 | 0.383 | 0.412 | 0.440 |
| 30                                     |       |       |       |       |       |       |       | 0.339 | 0.372 | 0.405 | 0.438 | 0.471 | 0.503 |
| 32                                     |       |       |       |       |       |       |       | 0.384 | 0.422 | 0.460 | 0.497 | 0.534 | 0.570 |
| 34                                     |       |       |       |       |       |       |       | 0.432 | 0.475 | 0.517 | 0.559 | 0.601 | 0.642 |
| 36                                     |       |       |       |       |       |       |       |       | 0.530 | 0.578 | 0.625 | 0.671 | 0.717 |
| 38                                     |       |       |       |       |       |       |       |       | 0.589 | 0.642 | 0.694 | 0.745 | 0.797 |
| 40                                     |       |       |       |       |       |       |       |       | 0.651 | 0.709 | 0.767 | 0.824 | 0.880 |

续表 2

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         | 0.011 |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.023 | 0.025 | 0.026 |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.041 | 0.043 | 0.046 | 0.048 | 0.051 |       |       |       |       |       |       |       |       |
| 10                                        | 0.063 | 0.067 | 0.071 | 0.075 | 0.078 | 0.082 |       |       |       |       |       |       |       |
| 12                                        | 0.090 | 0.096 | 0.101 | 0.106 | 0.112 | 0.117 | 0.122 | 0.127 |       |       |       |       |       |
| 14                                        | 0.122 | 0.129 | 0.136 | 0.143 | 0.150 | 0.158 | 0.165 | 0.172 | 0.179 |       |       |       |       |
| 16                                        | 0.158 | 0.167 | 0.177 | 0.186 | 0.195 | 0.204 | 0.213 | 0.222 | 0.231 | 0.241 | 0.249 |       |       |
| 18                                        | 0.198 | 0.210 | 0.222 | 0.234 | 0.245 | 0.257 | 0.268 | 0.280 | 0.291 | 0.302 | 0.314 | 0.325 |       |
| 20                                        | 0.243 | 0.258 | 0.272 | 0.287 | 0.301 | 0.315 | 0.329 | 0.343 | 0.357 | 0.371 | 0.385 | 0.399 | 0.412 |
| 22                                        | 0.293 | 0.310 | 0.328 | 0.345 | 0.362 | 0.379 | 0.396 | 0.413 | 0.430 | 0.447 | 0.463 | 0.480 | 0.496 |
| 24                                        | 0.347 | 0.368 | 0.388 | 0.409 | 0.429 | 0.449 | 0.469 | 0.489 | 0.509 | 0.529 | 0.549 | 0.568 | 0.588 |
| 26                                        | 0.405 | 0.430 | 0.454 | 0.477 | 0.501 | 0.525 | 0.548 | 0.572 | 0.595 | 0.618 | 0.641 | 0.664 | 0.687 |
| 28                                        | 0.468 | 0.496 | 0.524 | 0.551 | 0.579 | 0.606 | 0.633 | 0.660 | 0.687 | 0.714 | 0.740 | 0.767 | 0.793 |
| 30                                        | 0.535 | 0.567 | 0.599 | 0.630 | 0.662 | 0.693 | 0.724 | 0.755 | 0.785 | 0.816 | 0.846 | 0.877 | 0.907 |
| 32                                        | 0.607 | 0.643 | 0.679 | 0.715 | 0.750 | 0.786 | 0.821 | 0.856 | 0.890 | 0.925 | 0.960 | 0.994 | 1.028 |
| 34                                        | 0.683 | 0.723 | 0.764 | 0.804 | 0.844 | 0.884 | 0.923 | 0.963 | 1.002 | 1.041 | 1.080 | 1.118 | 1.157 |
| 36                                        | 0.763 | 0.808 | 0.854 | 0.899 | 0.943 | 0.988 | 1.032 | 1.076 | 1.120 | 1.163 | 1.206 | 1.250 | 1.293 |
| 38                                        | 0.848 | 0.898 | 0.948 | 0.998 | 1.048 | 1.097 | 1.146 | 1.195 | 1.244 | 1.292 | 1.340 | 1.388 | 1.436 |
| 40                                        | 0.936 | 0.992 | 1.048 | 1.103 | 1.158 | 1.212 | 1.266 | 1.320 | 1.374 | 1.427 | 1.481 | 1.534 | 1.586 |

续表 2

| $V \backslash H$<br>$D$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37 | 38 | 39 | 40 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|
| 2                       |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 4                       |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 6                       |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 8                       |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 10                      |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 12                      |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 14                      |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 16                      |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 18                      |       |       |       |       |       |       |       |       |       |    |    |    |    |
| 20                      | 0.426 |       |       |       |       |       |       |       |       |    |    |    |    |
| 22                      | 0.513 | 0.529 |       |       |       |       |       |       |       |    |    |    |    |
| 24                      | 0.607 | 0.627 | 0.646 |       |       |       |       |       |       |    |    |    |    |
| 26                      | 0.710 | 0.732 | 0.755 | 0.777 |       |       |       |       |       |    |    |    |    |
| 28                      | 0.819 | 0.846 | 0.872 | 0.898 | 0.924 |       |       |       |       |    |    |    |    |
| 30                      | 0.937 | 0.967 | 0.997 | 1.027 | 1.056 | 1.086 |       |       |       |    |    |    |    |
| 32                      | 1.062 | 1.096 | 1.130 | 1.164 | 1.197 | 1.231 | 1.264 |       |       |    |    |    |    |
| 34                      | 1.195 | 1.233 | 1.271 | 1.309 | 1.347 | 1.385 | 1.422 |       |       |    |    |    |    |
| 36                      | 1.336 | 1.378 | 1.421 | 1.463 | 1.505 | 1.548 | 1.590 | 1.631 |       |    |    |    |    |
| 38                      | 1.484 | 1.531 | 1.578 | 1.625 | 1.672 | 1.719 | 1.766 | 1.812 |       |    |    |    |    |
| 40                      | 1.639 | 1.691 | 1.744 | 1.796 | 1.848 | 1.899 | 1.951 | 2.002 | 2.053 |    |    |    |    |

续表 2

| $V \backslash H$<br>$D$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 0.716 | 0.780 | 0.843 | 0.906 | 0.968 | 1.030 | 1.091 | 1.152 | 1.212 | 1.273 | 1.333 | 1.392 |
| 44                      |       | 0.853 | 0.923 | 0.991 | 1.059 | 1.127 | 1.194 | 1.261 | 1.327 | 1.393 | 1.459 | 1.524 |
| 46                      |       | 0.930 | 1.006 | 1.081 | 1.155 | 1.229 | 1.302 | 1.375 | 1.447 | 1.519 | 1.590 | 1.661 |
| 48                      |       | 1.011 | 1.093 | 1.174 | 1.255 | 1.335 | 1.414 | 1.493 | 1.572 | 1.650 | 1.727 | 1.805 |
| 50                      |       | 1.094 | 1.183 | 1.271 | 1.358 | 1.445 | 1.531 | 1.616 | 1.702 | 1.786 | 1.870 | 1.954 |
| 52                      |       |       | 1.276 | 1.371 | 1.466 | 1.559 | 1.652 | 1.745 | 1.836 | 1.928 | 2.018 | 2.109 |
| 54                      |       |       | 1.374 | 1.476 | 1.577 | 1.678 | 1.778 | 1.877 | 1.976 | 2.074 | 2.172 | 2.269 |
| 56                      |       |       | 1.474 | 1.584 | 1.693 | 1.801 | 1.908 | 2.015 | 2.121 | 2.226 | 2.331 | 2.435 |
| 58                      |       |       | 1.578 | 1.696 | 1.812 | 1.928 | 2.043 | 2.157 | 2.270 | 2.383 | 2.495 | 2.607 |
| 60                      |       |       |       | 1.811 | 1.936 | 2.059 | 2.182 | 2.304 | 2.425 | 2.546 | 2.665 | 2.785 |
| 62                      |       |       |       | 1.930 | 2.063 | 2.195 | 2.326 | 2.455 | 2.585 | 2.713 | 2.841 | 2.968 |
| 64                      |       |       |       | 2.053 | 2.194 | 2.331 | 2.474 | 2.612 | 2.749 | 2.886 | 3.022 | 3.157 |
| 66                      |       |       |       | 2.180 | 2.330 | 2.478 | 2.626 | 2.773 | 2.919 | 3.064 | 3.208 | 3.351 |
| 68                      |       |       |       |       | 2.469 | 2.626 | 2.783 | 2.938 | 3.093 | 3.247 | 3.399 | 3.552 |
| 70                      |       |       |       |       | 2.612 | 2.779 | 2.944 | 3.109 | 3.272 | 3.435 | 3.597 | 3.757 |

续表 2

| $V \backslash H$<br>$D$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 1.452 | 1.511 | 1.569 | 1.628 | 1.686 | 1.744 | 1.802 | 1.860 | 1.917 | 1.974 | 2.031 | 2.088 |
| 44                      | 1.589 | 1.654 | 1.718 | 1.782 | 1.846 | 1.909 | 1.973 | 2.036 | 2.098 | 2.161 | 2.224 | 2.286 |
| 46                      | 1.732 | 1.803 | 1.873 | 1.943 | 2.012 | 2.082 | 2.151 | 2.219 | 2.288 | 2.356 | 2.424 | 2.492 |
| 48                      | 1.882 | 1.958 | 2.034 | 2.110 | 2.186 | 2.261 | 2.336 | 2.411 | 2.485 | 2.559 | 2.633 | 2.707 |
| 50                      | 2.037 | 2.120 | 2.202 | 2.285 | 2.366 | 2.448 | 2.529 | 2.610 | 2.690 | 2.771 | 2.851 | 2.930 |
| 52                      | 2.198 | 2.288 | 2.377 | 2.465 | 2.554 | 2.642 | 2.729 | 2.816 | 2.903 | 2.990 | 3.076 | 3.163 |
| 54                      | 2.366 | 2.462 | 2.558 | 2.653 | 2.748 | 2.843 | 2.937 | 3.031 | 3.124 | 3.218 | 3.311 | 3.403 |
| 56                      | 2.539 | 2.642 | 2.745 | 2.847 | 2.949 | 3.051 | 3.152 | 3.253 | 3.353 | 3.453 | 3.553 | 3.653 |
| 58                      | 2.718 | 2.829 | 2.939 | 3.048 | 3.158 | 3.266 | 3.375 | 3.482 | 3.590 | 3.697 | 3.804 | 3.910 |
| 60                      | 2.903 | 3.021 | 3.139 | 3.256 | 3.373 | 3.489 | 3.604 | 3.720 | 3.834 | 3.949 | 4.063 | 4.177 |
| 62                      | 3.094 | 3.220 | 3.345 | 3.470 | 3.595 | 3.718 | 3.842 | 3.964 | 4.087 | 4.209 | 4.330 | 4.451 |
| 64                      | 3.291 | 3.425 | 3.558 | 3.691 | 3.823 | 3.955 | 4.086 | 4.217 | 4.347 | 4.477 | 4.606 | 4.735 |
| 66                      | 3.494 | 3.636 | 3.778 | 3.919 | 4.059 | 4.199 | 4.338 | 4.477 | 4.615 | 4.753 | 4.890 | 5.027 |
| 68                      | 3.703 | 3.853 | 4.003 | 4.153 | 4.301 | 4.449 | 4.597 | 4.744 | 4.890 | 5.036 | 5.182 | 5.327 |
| 70                      | 3.917 | 4.077 | 4.235 | 4.393 | 4.551 | 4.707 | 4.863 | 5.019 | 5.174 | 5.328 | 5.482 | 5.636 |

续表 2

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44 | 45 |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 42                                        | 2.145 | 2.201 | 2.258 |       |       |       |       |       |       |       |    |    |
| 44                                        | 2.348 | 2.410 | 2.471 | 2.533 |       |       |       |       |       |       |    |    |
| 46                                        | 2.560 | 2.627 | 2.694 | 2.761 |       |       |       |       |       |       |    |    |
| 48                                        | 2.780 | 2.854 | 2.927 | 2.999 | 3.072 |       |       |       |       |       |    |    |
| 50                                        | 3.010 | 3.089 | 3.168 | 3.247 | 3.326 |       |       |       |       |       |    |    |
| 52                                        | 3.248 | 3.334 | 3.419 | 3.504 | 3.589 | 3.674 |       |       |       |       |    |    |
| 54                                        | 3.496 | 3.588 | 3.679 | 3.771 | 3.862 | 3.953 |       |       |       |       |    |    |
| 56                                        | 3.752 | 3.850 | 3.949 | 4.047 | 4.145 | 4.243 | 4.340 |       |       |       |    |    |
| 58                                        | 4.016 | 4.122 | 4.228 | 4.333 | 4.438 | 4.542 | 4.647 |       |       |       |    |    |
| 60                                        | 4.290 | 4.403 | 4.516 | 4.628 | 4.740 | 4.852 | 4.963 | 5.074 |       |       |    |    |
| 62                                        | 4.572 | 4.693 | 4.813 | 4.933 | 5.052 | 5.171 | 5.290 | 5.408 |       |       |    |    |
| 64                                        | 4.863 | 4.991 | 5.119 | 5.246 | 5.373 | 5.500 | 5.626 | 5.752 | 5.878 |       |    |    |
| 66                                        | 5.163 | 5.299 | 5.435 | 5.570 | 5.705 | 5.839 | 5.973 | 6.107 | 6.240 |       |    |    |
| 68                                        | 5.471 | 5.616 | 5.759 | 5.903 | 6.045 | 6.188 | 6.330 | 6.472 | 6.613 | 6.754 |    |    |
| 70                                        | 5.789 | 5.941 | 6.093 | 6.245 | 6.396 | 6.547 | 6.697 | 6.847 | 6.996 | 7.146 |    |    |

续表 2

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29     | 30     | 31     |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 72                                                | 3.456 | 3.628 | 3.799 | 3.969 | 4.138 | 4.306 | 4.474 | 4.641 | 4.807 | 4.972 | 5.137 | 5.301  | 5.465  | 5.628  |
| 74                                                | 3.645 | 3.827 | 4.007 | 4.186 | 4.364 | 4.542 | 4.718 | 4.894 | 5.070 | 5.244 | 5.418 | 5.591  | 5.764  | 5.936  |
| 76                                                | 3.839 | 4.030 | 4.220 | 4.409 | 4.596 | 4.783 | 4.970 | 5.155 | 5.339 | 5.523 | 5.706 | 5.889  | 6.071  | 6.252  |
| 78                                                | 4.038 | 4.239 | 4.438 | 4.637 | 4.834 | 5.031 | 5.227 | 5.422 | 5.616 | 5.809 | 6.002 | 6.194  | 6.385  | 6.575  |
| 80                                                | 4.242 | 4.453 | 4.662 | 4.871 | 5.078 | 5.285 | 5.490 | 5.695 | 5.899 | 6.102 | 6.305 | 6.506  | 6.707  | 6.907  |
| 82                                                | 4.450 | 4.671 | 4.891 | 5.110 | 5.328 | 5.545 | 5.760 | 5.975 | 6.189 | 6.402 | 6.614 | 6.826  | 7.037  | 7.247  |
| 84                                                | 4.664 | 4.895 | 5.126 | 5.355 | 5.583 | 5.810 | 6.037 | 6.262 | 6.486 | 6.709 | 6.932 | 7.153  | 7.374  | 7.594  |
| 86                                                | 4.882 | 5.125 | 5.366 | 5.606 | 5.845 | 6.082 | 6.319 | 6.555 | 6.789 | 7.023 | 7.256 | 7.488  | 7.719  | 7.950  |
| 88                                                | 5.105 | 5.359 | 5.611 | 5.862 | 6.112 | 6.360 | 6.608 | 6.854 | 7.100 | 7.344 | 7.588 | 7.830  | 8.072  | 8.313  |
| 90                                                | 5.333 | 5.598 | 5.861 | 6.124 | 6.385 | 6.644 | 6.903 | 7.160 | 7.417 | 7.672 | 7.926 | 8.180  | 8.432  | 8.684  |
| 92                                                | 5.566 | 5.842 | 6.117 | 6.391 | 6.663 | 6.934 | 7.204 | 7.473 | 7.740 | 8.007 | 8.272 | 8.537  | 8.800  | 9.063  |
| 94                                                | 5.803 | 6.092 | 6.378 | 6.664 | 6.948 | 7.230 | 7.512 | 7.792 | 8.071 | 8.348 | 8.625 | 8.901  | 9.176  | 9.450  |
| 96                                                | 6.046 | 6.346 | 6.645 | 6.942 | 7.238 | 7.532 | 7.825 | 8.117 | 8.408 | 8.697 | 8.986 | 9.273  | 9.559  | 9.844  |
| 98                                                | 6.293 | 6.606 | 6.917 | 7.226 | 7.534 | 7.840 | 8.145 | 8.449 | 8.751 | 9.053 | 9.353 | 9.652  | 9.950  | 10.247 |
| 100                                               | 6.545 | 6.870 | 7.193 | 7.515 | 7.835 | 8.154 | 8.471 | 8.787 | 9.102 | 9.415 | 9.727 | 10.039 | 10.348 | 10.657 |



续表 2

| $V \backslash H$<br>$D$ | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 72                      | 5.791  | 5.953  | 6.114  | 6.275  | 6.436  | 6.596  | 6.756  | 6.915  | 7.074  | 7.232  | 7.390  | 7.548  | 7.705  |        |
| 74                      | 6.107  | 6.278  | 6.449  | 6.619  | 6.788  | 6.957  | 7.125  | 7.293  | 7.461  | 7.628  | 7.794  | 7.961  | 8.126  |        |
| 76                      | 6.432  | 6.612  | 6.792  | 6.971  | 7.149  | 7.327  | 7.504  | 7.681  | 7.858  | 8.034  | 8.209  | 8.384  | 8.559  | 8.733  |
| 78                      | 6.765  | 6.955  | 7.143  | 7.332  | 7.519  | 7.706  | 7.893  | 8.079  | 8.264  | 8.449  | 8.634  | 8.818  | 9.002  | 9.185  |
| 80                      | 7.107  | 7.306  | 7.504  | 7.701  | 7.898  | 8.095  | 8.291  | 8.486  | 8.681  | 8.876  | 9.070  | 9.263  | 9.456  | 9.649  |
| 82                      | 7.456  | 7.665  | 7.873  | 8.080  | 8.287  | 8.493  | 8.699  | 8.904  | 9.108  | 9.312  | 9.515  | 9.718  | 9.921  | 10.123 |
| 84                      | 7.814  | 8.032  | 8.250  | 8.467  | 8.684  | 8.900  | 9.116  | 9.330  | 9.545  | 9.759  | 9.972  | 10.184 | 10.397 | 10.608 |
| 86                      | 8.179  | 8.408  | 8.636  | 8.864  | 9.090  | 9.317  | 9.542  | 9.767  | 9.991  | 10.215 | 10.438 | 10.661 | 10.883 | 11.105 |
| 88                      | 8.553  | 8.792  | 9.031  | 9.269  | 9.506  | 9.742  | 9.978  | 10.213 | 10.448 | 10.682 | 10.915 | 11.148 | 11.380 | 11.612 |
| 90                      | 8.935  | 9.185  | 9.434  | 9.682  | 9.930  | 10.177 | 10.424 | 10.669 | 10.914 | 11.159 | 11.403 | 11.646 | 11.888 | 12.130 |
| 92                      | 9.325  | 9.586  | 9.846  | 10.105 | 10.364 | 10.621 | 10.879 | 11.135 | 11.391 | 11.646 | 11.900 | 12.154 | 12.407 | 12.660 |
| 94                      | 9.723  | 9.995  | 10.266 | 10.536 | 10.806 | 11.075 | 11.343 | 11.610 | 11.877 | 12.143 | 12.408 | 12.673 | 12.937 | 13.200 |
| 96                      | 10.129 | 10.412 | 10.695 | 10.976 | 11.257 | 11.537 | 11.817 | 12.095 | 12.373 | 12.650 | 12.926 | 13.202 | 13.477 | 13.752 |
| 98                      | 10.543 | 10.838 | 11.132 | 11.425 | 11.718 | 12.009 | 12.300 | 12.590 | 12.879 | 13.167 | 13.455 | 13.742 | 14.028 | 14.314 |
| 100                     | 10.965 | 11.272 | 11.578 | 11.883 | 12.187 | 12.490 | 12.792 | 13.094 | 13.395 | 13.695 | 13.994 | 14.292 | 14.590 | 14.887 |

## 四、东北地区云、冷杉二元立木材积表

$$V = 0.000061859978 D^{1.8557513} H^{1.0070547}$$

表 3

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 |
| 4          |     | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.012 |
| 6          |     | 0.003 | 0.005 | 0.007 | 0.009 | 0.010 | 0.012 | 0.014 | 0.016 | 0.017 | 0.019 | 0.021 | 0.023 | 0.025 |
| 8          |     | 0.006 | 0.009 | 0.012 | 0.015 | 0.018 | 0.021 | 0.024 | 0.027 | 0.030 | 0.033 | 0.036 | 0.039 | 0.042 |
| 10         |     |       | 0.013 | 0.018 | 0.022 | 0.027 | 0.031 | 0.036 | 0.041 | 0.045 | 0.050 | 0.054 | 0.059 | 0.063 |
| 12         |     |       |       | 0.025 | 0.031 | 0.033 | 0.044 | 0.051 | 0.057 | 0.063 | 0.070 | 0.076 | 0.082 | 0.089 |
| 14         |     |       |       | 0.033 | 0.042 | 0.050 | 0.059 | 0.067 | 0.076 | 0.084 | 0.093 | 0.101 | 0.110 | 0.113 |
| 16         |     |       |       |       | 0.054 | 0.065 | 0.075 | 0.086 | 0.097 | 0.103 | 0.119 | 0.130 | 0.141 | 0.151 |
| 18         |     |       |       |       | 0.067 | 0.080 | 0.094 | 0.107 | 0.121 | 0.134 | 0.148 | 0.161 | 0.175 | 0.188 |
| 20         |     |       |       |       |       | 0.098 | 0.114 | 0.130 | 0.147 | 0.163 | 0.180 | 0.196 | 0.213 | 0.229 |
| 22         |     |       |       |       |       | 0.116 | 0.136 | 0.156 | 0.175 | 0.195 | 0.214 | 0.234 | 0.254 | 0.273 |
| 24         |     |       |       |       |       | 0.137 | 0.160 | 0.183 | 0.206 | 0.229 | 0.252 | 0.275 | 0.298 | 0.321 |
| 26         |     |       |       |       |       | 0.159 | 0.185 | 0.212 | 0.239 | 0.266 | 0.292 | 0.319 | 0.346 | 0.373 |
| 28         |     |       |       |       |       |       | 0.213 | 0.243 | 0.274 | 0.305 | 0.336 | 0.366 | 0.397 | 0.428 |
| 30         |     |       |       |       |       |       | 0.242 | 0.277 | 0.312 | 0.346 | 0.381 | 0.416 | 0.451 | 0.486 |
| 32         |     |       |       |       |       |       | 0.273 | 0.312 | 0.351 | 0.391 | 0.430 | 0.469 | 0.509 | 0.548 |
| 34         |     |       |       |       |       |       |       | 0.349 | 0.393 | 0.437 | 0.481 | 0.525 | 0.569 | 0.613 |
| 36         |     |       |       |       |       |       |       | 0.388 | 0.437 | 0.486 | 0.535 | 0.584 | 0.633 | 0.682 |
| 38         |     |       |       |       |       |       |       | 0.429 | 0.483 | 0.537 | 0.591 | 0.645 | 0.700 | 0.754 |
| 40         |     |       |       |       |       |       |       |       | 0.531 | 0.591 | 0.650 | 0.710 | 0.770 | 0.829 |

续表 3

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         | 0.012 | 0.013 |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.026 | 0.028 | 0.030 | 0.032 | 0.033 | 0.035 |       |       |       |       |       |       |       |
| 8                                         | 0.045 | 0.048 | 0.051 | 0.054 | 0.057 | 0.060 |       |       |       |       |       |       |       |
| 10                                        | 0.068 | 0.072 | 0.077 | 0.082 | 0.086 | 0.091 | 0.095 | 0.100 | 0.104 | 0.109 | 0.113 |       |       |
| 12                                        | 0.095 | 0.102 | 0.108 | 0.114 | 0.121 | 0.127 | 0.134 | 0.140 | 0.146 | 0.153 | 0.159 |       |       |
| 14                                        | 0.127 | 0.135 | 0.144 | 0.152 | 0.161 | 0.169 | 0.178 | 0.186 | 0.195 | 0.203 | 0.212 | 0.220 | 0.229 |
| 16                                        | 0.162 | 0.173 | 0.184 | 0.195 | 0.206 | 0.217 | 0.228 | 0.239 | 0.250 | 0.261 | 0.271 | 0.282 | 0.293 |
| 18                                        | 0.202 | 0.216 | 0.229 | 0.243 | 0.256 | 0.270 | 0.283 | 0.297 | 0.311 | 0.324 | 0.338 | 0.351 | 0.365 |
| 20                                        | 0.246 | 0.262 | 0.279 | 0.295 | 0.312 | 0.328 | 0.345 | 0.361 | 0.378 | 0.394 | 0.411 | 0.427 | 0.444 |
| 22                                        | 0.293 | 0.313 | 0.332 | 0.352 | 0.372 | 0.392 | 0.411 | 0.431 | 0.451 | 0.471 | 0.490 | 0.510 | 0.530 |
| 24                                        | 0.344 | 0.368 | 0.391 | 0.414 | 0.437 | 0.460 | 0.483 | 0.507 | 0.530 | 0.553 | 0.576 | 0.599 | 0.623 |
| 26                                        | 0.400 | 0.426 | 0.453 | 0.480 | 0.507 | 0.534 | 0.561 | 0.588 | 0.615 | 0.641 | 0.663 | 0.695 | 0.722 |
| 28                                        | 0.459 | 0.489 | 0.520 | 0.551 | 0.582 | 0.613 | 0.643 | 0.674 | 0.705 | 0.736 | 0.767 | 0.798 | 0.829 |
| 30                                        | 0.521 | 0.556 | 0.591 | 0.626 | 0.661 | 0.696 | 0.731 | 0.766 | 0.802 | 0.837 | 0.872 | 0.907 | 0.942 |
| 32                                        | 0.587 | 0.627 | 0.666 | 0.706 | 0.745 | 0.785 | 0.824 | 0.864 | 0.904 | 0.943 | 0.983 | 1.022 | 1.062 |
| 34                                        | 0.657 | 0.702 | 0.746 | 0.790 | 0.834 | 0.878 | 0.923 | 0.967 | 1.011 | 1.055 | 1.100 | 1.144 | 1.188 |
| 36                                        | 0.731 | 0.780 | 0.829 | 0.878 | 0.927 | 0.977 | 1.026 | 1.075 | 1.124 | 1.173 | 1.223 | 1.272 | 1.321 |
| 38                                        | 0.808 | 0.862 | 0.917 | 0.971 | 1.025 | 1.080 | 1.134 | 1.188 | 1.243 | 1.297 | 1.352 | 1.406 | 1.461 |
| 40                                        | 0.889 | 0.949 | 1.008 | 1.068 | 1.128 | 1.188 | 1.247 | 1.307 | 1.367 | 1.427 | 1.487 | 1.547 | 1.607 |

续表 3

| $V \backslash H$<br>$D$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 14                      | 0.238 | 0.246 | 0.255 |       |       |       |       |       |       |       |       |       |    |
| 16                      | 0.304 | 0.315 | 0.326 | 0.337 | 0.348 | 0.359 |       |       |       |       |       |       |    |
| 18                      | 0.379 | 0.392 | 0.406 | 0.420 | 0.433 | 0.447 | 0.460 | 0.474 | 0.488 | 0.501 |       |       |    |
| 20                      | 0.460 | 0.477 | 0.494 | 0.510 | 0.527 | 0.543 | 0.560 | 0.576 | 0.593 | 0.610 |       |       |    |
| 22                      | 0.550 | 0.569 | 0.589 | 0.609 | 0.629 | 0.648 | 0.668 | 0.688 | 0.708 | 0.728 |       |       |    |
| 24                      | 0.646 | 0.669 | 0.692 | 0.716 | 0.739 | 0.762 | 0.785 | 0.809 | 0.832 | 0.855 |       |       |    |
| 26                      | 0.749 | 0.776 | 0.803 | 0.830 | 0.857 | 0.884 | 0.911 | 0.938 | 0.965 | 0.992 | 1.019 |       |    |
| 28                      | 0.860 | 0.891 | 0.922 | 0.952 | 0.983 | 1.014 | 1.045 | 1.076 | 1.107 | 1.138 | 1.169 |       |    |
| 30                      | 0.977 | 1.012 | 1.047 | 1.083 | 1.118 | 1.153 | 1.188 | 1.223 | 1.259 | 1.294 | 1.329 |       |    |
| 32                      | 1.101 | 1.141 | 1.181 | 1.220 | 1.260 | 1.300 | 1.339 | 1.379 | 1.419 | 1.458 | 1.498 |       |    |
| 34                      | 1.233 | 1.277 | 1.321 | 1.366 | 1.410 | 1.454 | 1.499 | 1.543 | 1.588 | 1.632 | 1.676 | 1.721 |    |
| 36                      | 1.371 | 1.420 | 1.469 | 1.518 | 1.568 | 1.617 | 1.666 | 1.716 | 1.765 | 1.815 | 1.864 | 1.913 |    |
| 38                      | 1.515 | 1.570 | 1.624 | 1.679 | 1.733 | 1.788 | 1.842 | 1.897 | 1.952 | 2.006 | 2.061 | 2.115 |    |
| 40                      | 1.666 | 1.726 | 1.786 | 1.846 | 1.906 | 1.966 | 2.026 | 2.086 | 2.146 | 2.206 | 2.267 | 2.327 |    |

续表 3

| $V \backslash D$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42               | 0.582 | 0.647 | 0.712 | 0.777 | 0.842 | 0.908 | 0.973 | 1.038 | 1.104 | 1.169 | 1.235 | 1.300 | 1.366 |
| 44               | 0.634 | 0.705 | 0.776 | 0.847 | 0.918 | 0.990 | 1.061 | 1.132 | 1.203 | 1.275 | 1.346 | 1.417 | 1.489 |
| 46               | 0.689 | 0.766 | 0.843 | 0.920 | 0.997 | 1.075 | 1.152 | 1.229 | 1.307 | 1.384 | 1.462 | 1.539 | 1.617 |
| 48               |       | 0.829 | 0.912 | 0.996 | 1.079 | 1.163 | 1.247 | 1.330 | 1.414 | 1.498 | 1.582 | 1.666 | 1.750 |
| 50               |       | 0.894 | 0.984 | 1.074 | 1.164 | 1.255 | 1.345 | 1.435 | 1.525 | 1.616 | 1.706 | 1.797 | 1.887 |
| 52               |       |       | 1.068 | 1.155 | 1.252 | 1.349 | 1.446 | 1.543 | 1.641 | 1.738 | 1.835 | 1.932 | 2.030 |
| 54               |       |       | 1.135 | 1.239 | 1.343 | 1.447 | 1.551 | 1.655 | 1.760 | 1.864 | 1.968 | 2.073 | 2.177 |
| 56               |       |       | 1.214 | 1.326 | 1.437 | 1.548 | 1.660 | 1.771 | 1.883 | 1.994 | 2.106 | 2.217 | 2.329 |
| 58               |       |       |       | 1.415 | 1.534 | 1.652 | 1.771 | 1.890 | 2.009 | 2.128 | 2.247 | 2.366 | 2.486 |
| 60               |       |       |       | 1.507 | 1.633 | 1.760 | 1.886 | 2.013 | 2.140 | 2.266 | 2.393 | 2.520 | 2.647 |
| 62               |       |       |       | 1.601 | 1.736 | 1.870 | 2.005 | 2.139 | 2.274 | 2.409 | 2.543 | 2.678 | 2.813 |
| 64               |       |       |       | 1.698 | 1.841 | 1.984 | 2.126 | 2.269 | 2.412 | 2.555 | 2.698 | 2.841 | 2.984 |
| 66               |       |       |       |       | 1.949 | 2.100 | 2.251 | 2.402 | 2.554 | 2.705 | 2.856 | 3.008 | 3.159 |
| 68               |       |       |       |       | 2.060 | 2.220 | 2.379 | 2.539 | 2.699 | 2.859 | 3.019 | 3.179 | 3.339 |
| 70               |       |       |       |       | 2.174 | 2.342 | 2.511 | 2.680 | 2.848 | 3.017 | 3.186 | 3.355 | 3.524 |

续表 3

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 1.431 | 1.497 | 1.562 | 1.628 | 1.693 | 1.759 | 1.824 | 1.890 | 1.956 | 2.021 | 2.087 | 2.153 | 2.218 |
| 44                                                | 1.560 | 1.631 | 1.703 | 1.774 | 1.846 | 1.917 | 1.989 | 2.060 | 2.132 | 2.204 | 2.275 | 2.347 | 2.418 |
| 46                                                | 1.694 | 1.772 | 1.849 | 1.927 | 2.005 | 2.082 | 2.160 | 2.238 | 2.315 | 2.393 | 2.471 | 2.549 | 2.626 |
| 48                                                | 1.833 | 1.917 | 2.001 | 2.085 | 2.169 | 2.253 | 2.337 | 2.422 | 2.506 | 2.590 | 2.674 | 2.758 | 2.842 |
| 50                                                | 1.978 | 2.068 | 2.159 | 2.249 | 2.340 | 2.431 | 2.521 | 2.612 | 2.703 | 2.794 | 2.884 | 2.975 | 3.066 |
| 52                                                | 2.127 | 2.224 | 2.322 | 2.419 | 2.517 | 2.614 | 2.712 | 2.809 | 2.907 | 3.004 | 3.102 | 3.200 | 3.297 |
| 54                                                | 2.281 | 2.386 | 2.490 | 2.595 | 2.699 | 2.804 | 2.908 | 3.013 | 3.118 | 3.222 | 3.327 | 3.432 | 3.537 |
| 56                                                | 2.441 | 2.552 | 2.664 | 2.776 | 2.888 | 3.000 | 3.112 | 3.223 | 3.335 | 3.447 | 3.559 | 3.671 | 3.784 |
| 58                                                | 2.605 | 2.724 | 2.843 | 2.963 | 3.082 | 3.202 | 3.321 | 3.440 | 3.560 | 3.679 | 3.799 | 3.919 | 4.038 |
| 60                                                | 2.774 | 2.901 | 3.028 | 3.155 | 3.282 | 3.409 | 3.537 | 3.664 | 3.791 | 3.918 | 4.046 | 4.173 | 4.300 |
| 62                                                | 2.948 | 3.083 | 3.218 | 3.353 | 3.488 | 3.623 | 3.758 | 3.894 | 4.029 | 4.164 | 4.299 | 4.435 | 4.570 |
| 64                                                | 3.127 | 3.270 | 3.413 | 3.557 | 3.700 | 3.843 | 3.987 | 4.130 | 4.273 | 4.417 | 4.560 | 4.704 | 4.847 |
| 66                                                | 3.311 | 3.462 | 3.614 | 3.766 | 3.917 | 4.069 | 4.221 | 4.373 | 4.525 | 4.676 | 4.828 | 4.980 | 5.132 |
| 68                                                | 3.499 | 3.660 | 3.820 | 3.980 | 4.140 | 4.301 | 4.461 | 4.622 | 4.782 | 4.943 | 5.103 | 5.264 | 5.425 |
| 70                                                | 3.693 | 3.862 | 4.031 | 4.200 | 4.369 | 4.539 | 4.708 | 4.877 | 5.047 | 5.216 | 5.385 | 5.555 | 5.724 |

续表 3

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44 | 45 |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|--|--|
| 42                                        | 2.284 | 2.350 | 2.416 | 2.481 | 2.547 | 2.613 |       |       |       |    |    |  |  |
| 44                                        | 2.490 | 2.562 | 2.633 | 2.705 | 2.777 | 2.848 |       |       |       |    |    |  |  |
| 46                                        | 2.704 | 2.782 | 2.860 | 2.938 | 3.016 | 3.093 |       |       |       |    |    |  |  |
| 48                                        | 2.926 | 3.011 | 3.095 | 3.179 | 3.263 | 3.348 |       |       |       |    |    |  |  |
| 50                                        | 3.157 | 3.248 | 3.338 | 3.429 | 3.520 | 3.611 | 3.702 |       |       |    |    |  |  |
| 52                                        | 3.395 | 3.493 | 3.590 | 3.688 | 3.786 | 3.884 | 3.982 |       |       |    |    |  |  |
| 54                                        | 3.641 | 3.746 | 3.851 | 3.956 | 4.061 | 4.165 | 4.270 |       |       |    |    |  |  |
| 56                                        | 3.896 | 4.008 | 4.120 | 4.232 | 4.344 | 4.456 | 4.568 |       |       |    |    |  |  |
| 58                                        | 4.158 | 4.277 | 4.397 | 4.517 | 4.636 | 4.756 | 4.876 | 4.996 |       |    |    |  |  |
| 60                                        | 4.428 | 4.555 | 4.683 | 4.810 | 4.937 | 5.065 | 5.193 | 5.320 |       |    |    |  |  |
| 62                                        | 4.705 | 4.841 | 4.976 | 5.112 | 5.247 | 5.383 | 5.518 | 5.654 |       |    |    |  |  |
| 64                                        | 4.991 | 5.135 | 5.278 | 5.422 | 5.566 | 5.709 | 5.853 | 5.997 |       |    |    |  |  |
| 66                                        | 5.284 | 5.436 | 5.589 | 5.741 | 5.893 | 6.045 | 6.197 | 6.349 | 6.502 |    |    |  |  |
| 68                                        | 5.585 | 5.746 | 5.907 | 6.068 | 6.228 | 6.389 | 6.550 | 6.711 | 6.872 |    |    |  |  |
| 70                                        | 5.894 | 6.064 | 6.233 | 6.403 | 6.573 | 6.742 | 6.912 | 7.082 | 7.252 |    |    |  |  |

续表 3

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72                                        | 2.291 | 2.468 | 2.646 | 2.823 | 3.001 | 3.179 | 3.357 | 3.535 | 3.713 | 3.891 | 4.069 |
| 74                                        | 2.410 | 2.597 | 2.784 | 2.971 | 3.158 | 3.345 | 3.532 | 3.719 | 3.906 | 4.094 | 4.281 |
| 76                                        | 2.532 | 2.729 | 2.925 | 3.121 | 3.318 | 3.514 | 3.711 | 3.908 | 4.105 | 4.302 | 4.498 |
| 78                                        | 2.657 | 2.863 | 3.069 | 3.276 | 3.482 | 3.688 | 3.894 | 4.101 | 4.307 | 4.514 | 4.721 |
| 80                                        | 2.785 | 3.001 | 3.217 | 3.433 | 3.649 | 3.865 | 4.082 | 4.298 | 4.515 | 4.731 | 4.948 |
| 82                                        |       | 3.142 | 3.368 | 3.594 | 3.820 | 4.047 | 4.273 | 4.500 | 4.726 | 4.953 | 5.180 |
| 84                                        |       | 3.286 | 3.522 | 3.758 | 3.995 | 4.232 | 4.469 | 4.705 | 4.942 | 5.179 | 5.417 |
| 86                                        |       | 3.432 | 3.679 | 3.926 | 4.173 | 4.421 | 4.668 | 4.915 | 5.163 | 5.411 | 5.658 |
| 88                                        |       |       |       | 4.097 | 4.355 | 4.613 | 4.871 | 5.130 | 5.388 | 5.646 | 5.905 |
| 90                                        |       |       |       | 4.272 | 4.541 | 4.810 | 5.079 | 5.348 | 5.618 | 5.887 | 6.156 |
| 92                                        |       |       |       | 4.450 | 4.730 | 5.010 | 5.290 | 5.571 | 5.851 | 6.132 | 6.413 |
| 94                                        |       |       |       | 4.631 | 4.922 | 5.214 | 5.506 | 5.798 | 6.090 | 6.382 | 6.674 |
| 96                                        |       |       |       | 4.815 | 5.118 | 5.422 | 5.725 | 6.029 | 6.332 | 6.636 | 6.940 |
| 98                                        |       |       |       | 5.003 | 5.318 | 5.633 | 5.948 | 6.264 | 6.579 | 6.895 | 7.210 |
| 100                                       |       |       |       | 5.194 | 5.521 | 5.848 | 6.176 | 6.503 | 6.831 | 7.158 | 7.486 |



续表 3

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31     | 32     | 33     | 34     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 72                                        | 4.247 | 4.425 | 4.604 | 4.782 | 4.960 | 5.139 | 5.317 | 5.496  | 5.674  | 5.853  | 6.032  |
| 74                                        | 4.469 | 4.656 | 4.844 | 5.032 | 5.219 | 5.407 | 5.595 | 5.783  | 5.970  | 6.158  | 6.346  |
| 76                                        | 4.695 | 4.893 | 5.090 | 5.287 | 5.484 | 5.681 | 5.879 | 6.076  | 6.273  | 6.471  | 6.668  |
| 78                                        | 4.927 | 5.134 | 5.341 | 5.548 | 5.755 | 5.962 | 6.169 | 6.376  | 6.583  | 6.790  | 6.998  |
| 80                                        | 5.164 | 5.381 | 5.598 | 5.815 | 6.032 | 6.249 | 6.466 | 6.683  | 6.900  | 7.117  | 7.334  |
| 82                                        | 5.407 | 5.633 | 5.860 | 6.087 | 6.315 | 6.542 | 6.769 | 6.996  | 7.223  | 7.451  | 7.678  |
| 84                                        | 5.654 | 5.891 | 6.128 | 6.366 | 6.603 | 6.841 | 7.078 | 7.316  | 7.554  | 7.791  | 8.029  |
| 86                                        | 5.906 | 6.154 | 6.402 | 6.650 | 6.898 | 7.146 | 7.394 | 7.643  | 7.891  | 8.139  | 8.388  |
| 88                                        | 6.164 | 6.422 | 6.681 | 6.940 | 7.199 | 7.458 | 7.717 | 7.976  | 8.235  | 8.494  | 8.753  |
| 90                                        | 6.426 | 6.696 | 6.966 | 7.235 | 7.505 | 7.775 | 8.045 | 8.315  | 8.586  | 8.856  | 9.126  |
| 92                                        | 6.694 | 6.975 | 7.255 | 7.537 | 7.818 | 8.099 | 8.380 | 8.662  | 8.943  | 9.224  | 9.506  |
| 94                                        | 6.966 | 7.258 | 7.551 | 7.843 | 8.136 | 8.429 | 8.721 | 9.014  | 9.307  | 9.600  | 9.893  |
| 96                                        | 7.244 | 7.548 | 7.852 | 8.156 | 8.460 | 8.764 | 9.069 | 9.373  | 9.678  | 9.982  | 10.287 |
| 98                                        | 7.526 | 7.842 | 8.158 | 8.474 | 8.790 | 9.106 | 9.423 | 9.739  | 10.055 | 10.372 | 10.688 |
| 100                                       | 7.814 | 8.142 | 8.470 | 8.798 | 9.126 | 9.454 | 9.783 | 10.111 | 10.440 | 10.768 | 11.097 |

续表 3

| $V \backslash H$<br>$D$ | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 72                      | 6.210  | 6.389  | 6.568  | 6.747  | 6.925  | 7.104  | 7.283  | 7.462  | 7.641  |        |        |
| 74                      | 6.534  | 6.722  | 6.910  | 7.099  | 7.287  | 7.475  | 7.663  | 7.851  | 8.040  | 8.228  |        |
| 76                      | 6.866  | 7.063  | 7.261  | 7.459  | 7.656  | 7.854  | 8.052  | 8.250  | 8.447  | 8.645  |        |
| 78                      | 7.205  | 7.412  | 7.620  | 7.827  | 8.034  | 8.242  | 8.449  | 8.657  | 8.865  | 9.072  |        |
| 80                      | 7.551  | 7.769  | 7.986  | 8.204  | 8.421  | 8.638  | 8.856  | 9.073  | 9.291  | 9.509  |        |
| 82                      | 7.906  | 8.133  | 8.361  | 8.588  | 8.816  | 9.043  | 9.271  | 9.499  | 9.727  | 9.954  |        |
| 84                      | 8.267  | 8.505  | 8.743  | 8.981  | 9.219  | 9.457  | 9.695  | 9.933  | 10.172 | 10.410 |        |
| 86                      | 8.636  | 8.885  | 9.133  | 9.382  | 9.630  | 9.879  | 10.128 | 10.377 | 10.626 | 10.874 |        |
| 88                      | 9.013  | 9.272  | 9.531  | 9.791  | 10.050 | 10.310 | 10.569 | 10.829 | 11.089 | 11.348 | 11.608 |
| 90                      | 9.396  | 9.667  | 9.937  | 10.208 | 10.478 | 10.749 | 11.019 | 11.290 | 11.561 | 11.832 | 12.102 |
| 92                      | 9.788  | 10.069 | 10.351 | 10.633 | 10.914 | 11.196 | 11.478 | 11.760 | 12.042 | 12.324 | 12.606 |
| 94                      | 10.186 | 10.479 | 10.772 | 11.066 | 11.359 | 11.652 | 11.946 | 12.239 | 12.532 | 12.826 | 13.120 |
| 96                      | 10.592 | 10.897 | 11.202 | 11.506 | 11.811 | 12.116 | 12.421 | 12.727 | 13.032 | 13.337 | 13.642 |
| 98                      | 11.005 | 11.322 | 11.638 | 11.955 | 12.272 | 12.589 | 12.906 | 13.223 | 13.540 | 13.857 | 14.174 |
| 100                     | 11.425 | 11.754 | 12.083 | 12.412 | 12.741 | 13.070 | 13.399 | 13.728 | 14.057 | 14.387 | 14.716 |

## 五、大兴安岭樟子松二元立木材积表

$$V = 0.000054585749 D^{1.9705412} H^{0.91418311}$$

表 4

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4                                         | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |       |
| 6                                         | 0.004 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.019 | 0.021 |
| 8                                         |       | 0.009 | 0.012 | 0.014 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.037 |
| 10                                        |       |       | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.046 | 0.049 | 0.053 | 0.057 |
| 12                                        |       |       | 0.026 | 0.032 | 0.038 | 0.043 | 0.049 | 0.054 | 0.060 | 0.065 | 0.071 | 0.076 | 0.082 |
| 14                                        |       |       |       | 0.043 | 0.051 | 0.059 | 0.066 | 0.074 | 0.081 | 0.089 | 0.096 | 0.103 | 0.110 |
| 16                                        |       |       |       |       | 0.066 | 0.076 | 0.086 | 0.096 | 0.106 | 0.115 | 0.125 | 0.134 | 0.144 |
| 18                                        |       |       |       |       | 0.084 | 0.096 | 0.109 | 0.121 | 0.133 | 0.145 | 0.157 | 0.169 | 0.181 |
| 20                                        |       |       |       |       |       | 0.118 | 0.134 | 0.149 | 0.164 | 0.179 | 0.194 | 0.209 | 0.223 |
| 22                                        |       |       |       |       |       | 0.143 | 0.161 | 0.180 | 0.198 | 0.216 | 0.234 | 0.252 | 0.269 |
| 24                                        |       |       |       |       |       |       | 0.192 | 0.213 | 0.235 | 0.256 | 0.278 | 0.299 | 0.320 |
| 26                                        |       |       |       |       |       |       | 0.224 | 0.250 | 0.275 | 0.300 | 0.325 | 0.350 | 0.374 |
| 28                                        |       |       |       |       |       |       |       | 0.289 | 0.318 | 0.347 | 0.376 | 0.405 | 0.433 |
| 30                                        |       |       |       |       |       |       |       | 0.331 | 0.365 | 0.398 | 0.431 | 0.464 | 0.496 |
| 32                                        |       |       |       |       |       |       |       | 0.376 | 0.414 | 0.452 | 0.489 | 0.526 | 0.563 |
| 34                                        |       |       |       |       |       |       |       |       | 0.467 | 0.500 | 0.551 | 0.593 | 0.635 |
| 36                                        |       |       |       |       |       |       |       |       | 0.522 | 0.570 | 0.617 | 0.664 | 0.711 |
| 38                                        |       |       |       |       |       |       |       |       | 0.581 | 0.634 | 0.687 | 0.739 | 0.790 |
| 40                                        |       |       |       |       |       |       |       |       |       | 0.702 | 0.760 | 0.817 | 0.875 |

续表 4

| $V \backslash H$<br>$D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       | 0.022 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       | 0.039 | 0.041 | 0.044 | 0.046 | 0.048 | 0.051 |       |       |       |       |       |       |       |
| 10                      | 0.061 | 0.064 | 0.068 | 0.072 | 0.075 | 0.079 | 0.082 | 0.086 | 0.090 |       |       |       |       |
| 12                      | 0.087 | 0.092 | 0.097 | 0.103 | 0.108 | 0.113 | 0.118 | 0.123 | 0.128 | 0.133 | 0.139 | 0.144 |       |
| 14                      | 0.118 | 0.125 | 0.132 | 0.139 | 0.146 | 0.153 | 0.160 | 0.167 | 0.174 | 0.181 | 0.188 | 0.195 | 0.201 |
| 16                      | 0.153 | 0.162 | 0.172 | 0.181 | 0.190 | 0.199 | 0.208 | 0.217 | 0.226 | 0.235 | 0.244 | 0.253 | 0.262 |
| 18                      | 0.193 | 0.205 | 0.217 | 0.228 | 0.240 | 0.251 | 0.263 | 0.274 | 0.285 | 0.297 | 0.308 | 0.319 | 0.331 |
| 20                      | 0.238 | 0.252 | 0.266 | 0.281 | 0.295 | 0.309 | 0.323 | 0.337 | 0.351 | 0.365 | 0.379 | 0.393 | 0.407 |
| 22                      | 0.287 | 0.304 | 0.322 | 0.339 | 0.356 | 0.373 | 0.390 | 0.407 | 0.424 | 0.441 | 0.457 | 0.474 | 0.491 |
| 24                      | 0.340 | 0.361 | 0.382 | 0.402 | 0.423 | 0.443 | 0.463 | 0.483 | 0.503 | 0.523 | 0.543 | 0.563 | 0.583 |
| 26                      | 0.399 | 0.423 | 0.447 | 0.471 | 0.495 | 0.518 | 0.542 | 0.566 | 0.589 | 0.613 | 0.636 | 0.659 | 0.682 |
| 28                      | 0.461 | 0.489 | 0.517 | 0.545 | 0.573 | 0.600 | 0.627 | 0.655 | 0.682 | 0.709 | 0.736 | 0.763 | 0.789 |
| 30                      | 0.528 | 0.561 | 0.592 | 0.624 | 0.656 | 0.687 | 0.719 | 0.750 | 0.781 | 0.812 | 0.843 | 0.874 | 0.904 |
| 32                      | 0.600 | 0.637 | 0.673 | 0.709 | 0.745 | 0.781 | 0.816 | 0.852 | 0.887 | 0.922 | 0.957 | 0.992 | 1.027 |
| 34                      | 0.676 | 0.717 | 0.758 | 0.799 | 0.839 | 0.880 | 0.920 | 0.960 | 1.000 | 1.039 | 1.079 | 1.118 | 1.157 |
| 36                      | 0.757 | 0.803 | 0.849 | 0.894 | 0.939 | 0.985 | 1.029 | 1.074 | 1.119 | 1.163 | 1.207 | 1.251 | 1.295 |
| 38                      | 0.842 | 0.893 | 0.944 | 0.995 | 1.045 | 1.095 | 1.145 | 1.195 | 1.244 | 1.294 | 1.343 | 1.392 | 1.441 |
| 40                      | 0.931 | 0.988 | 1.044 | 1.100 | 1.156 | 1.212 | 1.267 | 1.322 | 1.377 | 1.431 | 1.486 | 1.540 | 1.594 |

续表 4

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39 | 40 |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 2                                                 |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 4                                                 |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 6                                                 |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 8                                                 |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 10                                                |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 12                                                |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 14                                                | 0.208 |       |       |       |       |       |       |       |       |       |       |    |    |
| 16                                                | 0.271 | 0.280 | 0.289 |       |       |       |       |       |       |       |       |    |    |
| 18                                                | 0.342 | 0.353 | 0.364 | 0.375 |       |       |       |       |       |       |       |    |    |
| 20                                                | 0.421 | 0.434 | 0.448 | 0.462 | 0.475 |       |       |       |       |       |       |    |    |
| 22                                                | 0.507 | 0.524 | 0.540 | 0.557 | 0.573 | 0.590 |       |       |       |       |       |    |    |
| 24                                                | 0.602 | 0.622 | 0.642 | 0.661 | 0.680 | 0.700 | 0.719 |       |       |       |       |    |    |
| 26                                                | 0.705 | 0.728 | 0.751 | 0.774 | 0.797 | 0.819 | 0.842 | 0.865 |       |       |       |    |    |
| 28                                                | 0.816 | 0.843 | 0.869 | 0.896 | 0.922 | 0.948 | 0.975 | 1.001 |       |       |       |    |    |
| 30                                                | 0.935 | 0.965 | 0.996 | 1.026 | 1.056 | 1.086 | 1.117 | 1.146 | 1.176 |       |       |    |    |
| 32                                                | 1.062 | 1.092 | 1.131 | 1.165 | 1.200 | 1.234 | 1.268 | 1.302 | 1.336 |       |       |    |    |
| 34                                                | 1.196 | 1.235 | 1.274 | 1.313 | 1.352 | 1.390 | 1.429 | 1.467 | 1.505 | 1.544 |       |    |    |
| 36                                                | 1.339 | 1.383 | 1.426 | 1.470 | 1.513 | 1.556 | 1.599 | 1.642 | 1.685 | 1.728 |       |    |    |
| 38                                                | 1.490 | 1.538 | 1.587 | 1.635 | 1.683 | 1.731 | 1.779 | 1.827 | 1.874 | 1.922 |       |    |    |
| 40                                                | 1.648 | 1.702 | 1.755 | 1.809 | 1.862 | 1.915 | 1.968 | 2.021 | 2.074 | 2.126 | 2.179 |    |    |

续表 4

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 0.772 | 0.836 | 0.900 | 0.963 | 1.025 | 1.088 | 1.150 | 1.211 | 1.273 | 1.334 | 1.395 | 1.455 | 1.516 | 1.576 | 1.636 |
| 44                                                | 0.846 | 0.917 | 0.986 | 1.055 | 1.124 | 1.192 | 1.260 | 1.328 | 1.395 | 1.462 | 1.529 | 1.595 | 1.661 | 1.727 | 1.793 |
| 46                                                | 0.924 | 1.000 | 1.076 | 1.152 | 1.227 | 1.301 | 1.376 | 1.449 | 1.523 | 1.596 | 1.669 | 1.741 | 1.813 | 1.885 | 1.957 |
| 48                                                |       | 1.088 | 1.171 | 1.253 | 1.334 | 1.415 | 1.496 | 1.576 | 1.656 | 1.735 | 1.815 | 1.893 | 1.972 | 2.050 | 2.128 |
| 50                                                |       | 1.179 | 1.269 | 1.358 | 1.446 | 1.534 | 1.621 | 1.708 | 1.795 | 1.881 | 1.967 | 2.052 | 2.137 | 2.222 | 2.306 |
| 52                                                |       | 1.274 | 1.371 | 1.467 | 1.562 | 1.657 | 1.751 | 1.845 | 1.939 | 2.032 | 2.125 | 2.217 | 2.309 | 2.400 | 2.492 |
| 54                                                |       | 1.372 | 1.476 | 1.580 | 1.683 | 1.785 | 1.887 | 1.988 | 2.089 | 2.189 | 2.289 | 2.388 | 2.487 | 2.586 | 2.684 |
| 56                                                |       |       | 1.586 | 1.697 | 1.808 | 1.918 | 2.027 | 2.136 | 2.244 | 2.351 | 2.459 | 2.566 | 2.672 | 2.778 | 2.884 |
| 58                                                |       |       | 1.700 | 1.819 | 1.937 | 2.055 | 2.172 | 2.288 | 2.404 | 2.520 | 2.635 | 2.749 | 2.863 | 2.977 | 3.090 |
| 60                                                |       |       | 1.817 | 1.944 | 2.071 | 2.197 | 2.322 | 2.447 | 2.570 | 2.694 | 2.817 | 2.939 | 3.061 | 3.182 | 3.303 |
| 62                                                |       |       | 1.938 | 2.074 | 2.209 | 2.343 | 2.477 | 2.610 | 2.742 | 2.874 | 3.005 | 3.135 | 3.265 | 3.395 | 3.524 |
| 64                                                |       |       |       | 2.208 | 2.352 | 2.495 | 2.637 | 2.778 | 2.919 | 3.059 | 3.199 | 3.338 | 3.476 | 3.614 | 3.751 |
| 66                                                |       |       |       | 2.346 | 2.499 | 2.651 | 2.802 | 2.952 | 3.102 | 3.250 | 3.399 | 3.546 | 3.693 | 3.840 | 3.986 |
| 68                                                |       |       |       | 2.488 | 2.650 | 2.811 | 2.971 | 3.131 | 3.289 | 3.447 | 3.605 | 3.761 | 3.917 | 4.073 | 4.228 |
| 70                                                |       |       |       | 2.634 | 2.806 | 2.977 | 3.146 | 3.315 | 3.483 | 3.650 | 3.817 | 3.982 | 4.148 | 4.312 | 4.476 |

续表 4

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.696 | 1.755 | 1.814 | 1.874 | 1.932 | 1.991 | 2.050 | 2.108 | 2.167 | 2.225 | 2.283 | 2.341 | 2.399 |       |       |
| 44                                        | 1.858 | 1.924 | 1.989 | 2.053 | 2.118 | 2.182 | 2.247 | 2.311 | 2.375 | 2.439 | 2.502 | 2.566 | 2.629 |       |       |
| 46                                        | 2.028 | 2.100 | 2.171 | 2.241 | 2.312 | 2.382 | 2.452 | 2.522 | 2.592 | 2.662 | 2.731 | 2.801 | 2.870 |       |       |
| 48                                        | 2.206 | 2.283 | 2.360 | 2.437 | 2.514 | 2.591 | 2.667 | 2.743 | 2.819 | 2.895 | 2.970 | 3.045 | 3.121 | 3.196 |       |
| 50                                        | 2.391 | 2.475 | 2.558 | 2.642 | 2.725 | 2.808 | 2.890 | 2.973 | 3.055 | 3.137 | 3.219 | 3.301 | 3.382 | 3.463 |       |
| 52                                        | 2.583 | 2.673 | 2.764 | 2.854 | 2.944 | 3.033 | 3.123 | 3.212 | 3.301 | 3.389 | 3.478 | 3.566 | 3.654 | 3.742 |       |
| 54                                        | 2.782 | 2.880 | 2.977 | 3.074 | 3.171 | 3.267 | 3.364 | 3.460 | 3.555 | 3.651 | 3.746 | 3.841 | 3.936 | 4.030 | 4.125 |
| 56                                        | 2.989 | 3.094 | 3.198 | 3.303 | 3.407 | 3.510 | 3.614 | 3.717 | 3.820 | 3.922 | 4.024 | 4.126 | 4.228 | 4.330 | 4.431 |
| 58                                        | 3.203 | 3.315 | 3.427 | 3.539 | 3.650 | 3.762 | 3.872 | 3.983 | 4.093 | 4.203 | 4.313 | 4.422 | 4.531 | 4.640 | 4.749 |
| 60                                        | 3.424 | 3.544 | 3.664 | 3.784 | 3.903 | 4.021 | 4.140 | 4.258 | 4.376 | 4.493 | 4.610 | 4.727 | 4.844 | 4.960 | 5.077 |
| 62                                        | 3.653 | 3.781 | 3.909 | 4.036 | 4.163 | 4.290 | 4.416 | 4.542 | 4.668 | 4.793 | 4.918 | 5.043 | 5.167 | 5.292 | 5.415 |
| 64                                        | 3.888 | 4.025 | 4.161 | 4.297 | 4.432 | 4.567 | 4.701 | 4.835 | 4.969 | 5.103 | 5.236 | 5.369 | 5.501 | 5.633 | 5.765 |
| 66                                        | 4.132 | 4.277 | 4.421 | 4.565 | 4.709 | 4.852 | 4.995 | 5.138 | 5.280 | 5.422 | 5.563 | 5.704 | 5.845 | 5.985 | 6.126 |
| 68                                        | 4.382 | 4.536 | 4.689 | 4.842 | 4.994 | 5.146 | 5.298 | 5.449 | 5.600 | 5.750 | 5.900 | 6.050 | 6.199 | 6.348 | 6.497 |
| 70                                        | 4.639 | 4.802 | 4.965 | 5.126 | 5.288 | 5.449 | 5.609 | 5.769 | 5.929 | 6.088 | 6.247 | 6.405 | 6.563 | 6.721 | 6.879 |

六、沙地樟子松二元立木材积表

$V=0.000082179346D^{1.8318749}H^{0.88035007}$

表 5

| <div><div><div><div><div></div><div><math>V</math></div></div><div><math>H</math></div></div><div><div><div><math>D</math></div><div></div></div></div></div></div> | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                                                                                                                                   | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 |
| 4                                                                                                                                                                   | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.009 | 0.009 | 0.010 |
| 6                                                                                                                                                                   | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.020 | 0.021 |
| 8                                                                                                                                                                   | 0.007 | 0.010 | 0.013 | 0.015 | 0.018 | 0.021 | 0.023 | 0.026 | 0.028 | 0.031 | 0.033 | 0.035 |
| 10                                                                                                                                                                  | 0.010 | 0.015 | 0.019 | 0.023 | 0.027 | 0.031 | 0.035 | 0.039 | 0.042 | 0.046 | 0.050 | 0.053 |
| 12                                                                                                                                                                  | 0.014 | 0.020 | 0.026 | 0.032 | 0.038 | 0.043 | 0.049 | 0.054 | 0.059 | 0.064 | 0.069 | 0.075 |
| 14                                                                                                                                                                  | 0.019 | 0.027 | 0.035 | 0.043 | 0.050 | 0.057 | 0.064 | 0.072 | 0.078 | 0.085 | 0.092 | 0.099 |
| 16                                                                                                                                                                  | 0.024 | 0.035 | 0.045 | 0.054 | 0.064 | 0.073 | 0.082 | 0.091 | 0.100 | 0.109 | 0.118 | 0.126 |
| 18                                                                                                                                                                  | 0.030 | 0.043 | 0.055 | 0.068 | 0.079 | 0.091 | 0.102 | 0.113 | 0.124 | 0.135 | 0.146 | 0.157 |
| 20                                                                                                                                                                  | 0.037 | 0.052 | 0.067 | 0.082 | 0.096 | 0.110 | 0.124 | 0.137 | 0.151 | 0.164 | 0.177 | 0.190 |
| 22                                                                                                                                                                  |       | 0.062 | 0.080 | 0.098 | 0.115 | 0.131 | 0.148 | 0.164 | 0.180 | 0.195 | 0.211 | 0.226 |
| 24                                                                                                                                                                  |       | 0.073 | 0.094 | 0.114 | 0.134 | 0.154 | 0.173 | 0.192 | 0.211 | 0.229 | 0.247 | 0.265 |
| 26                                                                                                                                                                  |       | 0.084 | 0.109 | 0.132 | 0.156 | 0.178 | 0.200 | 0.222 | 0.244 | 0.265 | 0.286 | 0.307 |
| 28                                                                                                                                                                  |       | 0.097 | 0.125 | 0.152 | 0.178 | 0.204 | 0.230 | 0.255 | 0.279 | 0.304 | 0.328 | 0.352 |
| 30                                                                                                                                                                  |       | 0.110 | 0.141 | 0.172 | 0.202 | 0.232 | 0.260 | 0.289 | 0.317 | 0.345 | 0.372 | 0.399 |
| 32                                                                                                                                                                  |       |       | 0.159 | 0.194 | 0.228 | 0.261 | 0.293 | 0.325 | 0.357 | 0.388 | 0.419 | 0.449 |
| 34                                                                                                                                                                  |       |       | 0.178 | 0.217 | 0.254 | 0.291 | 0.328 | 0.363 | 0.399 | 0.434 | 0.468 | 0.502 |
| 36                                                                                                                                                                  |       |       | 0.198 | 0.240 | 0.282 | 0.323 | 0.364 | 0.403 | 0.443 | 0.481 | 0.520 | 0.558 |
| 38                                                                                                                                                                  |       |       | 0.218 | 0.266 | 0.312 | 0.357 | 0.402 | 0.445 | 0.489 | 0.532 | 0.574 | 0.616 |
| 40                                                                                                                                                                  |       |       | 0.240 | 0.292 | 0.342 | 0.392 | 0.441 | 0.489 | 0.537 | 0.584 | 0.630 | 0.676 |



续表 5

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24 | 25 |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 2                                                 | 0.003 | 0.003 |       |       |       |       |       |       |       |       |    |    |
| 4                                                 | 0.011 | 0.011 |       |       |       |       |       |       |       |       |    |    |
| 6                                                 | 0.022 | 0.024 | 0.025 |       |       |       |       |       |       |       |    |    |
| 8                                                 | 0.038 | 0.040 | 0.043 | 0.045 | 0.047 |       |       |       |       |       |    |    |
| 10                                                | 0.057 | 0.061 | 0.064 | 0.068 | 0.071 |       |       |       |       |       |    |    |
| 12                                                | 0.080 | 0.085 | 0.089 | 0.094 | 0.099 |       |       |       |       |       |    |    |
| 14                                                | 0.106 | 0.112 | 0.119 | 0.125 | 0.132 | 0.138 | 0.144 |       |       |       |    |    |
| 16                                                | 0.135 | 0.143 | 0.152 | 0.160 | 0.168 | 0.176 | 0.184 |       |       |       |    |    |
| 18                                                | 0.167 | 0.178 | 0.188 | 0.198 | 0.209 | 0.219 | 0.229 | 0.239 |       |       |    |    |
| 20                                                | 0.203 | 0.216 | 0.228 | 0.241 | 0.253 | 0.265 | 0.278 | 0.290 | 0.302 |       |    |    |
| 22                                                | 0.241 | 0.257 | 0.272 | 0.287 | 0.301 | 0.316 | 0.331 | 0.345 | 0.360 |       |    |    |
| 24                                                | 0.283 | 0.301 | 0.319 | 0.336 | 0.353 | 0.371 | 0.388 | 0.405 | 0.422 |       |    |    |
| 26                                                | 0.328 | 0.348 | 0.369 | 0.389 | 0.409 | 0.429 | 0.449 | 0.469 | 0.488 |       |    |    |
| 28                                                | 0.376 | 0.399 | 0.422 | 0.446 | 0.469 | 0.492 | 0.514 | 0.537 | 0.559 |       |    |    |
| 30                                                | 0.426 | 0.453 | 0.479 | 0.506 | 0.532 | 0.558 | 0.583 | 0.609 | 0.635 |       |    |    |
| 32                                                | 0.480 | 0.510 | 0.540 | 0.569 | 0.599 | 0.628 | 0.657 | 0.686 | 0.714 | 0.743 |    |    |
| 34                                                | 0.536 | 0.570 | 0.603 | 0.636 | 0.669 | 0.701 | 0.734 | 0.766 | 0.798 | 0.830 |    |    |
| 36                                                | 0.595 | 0.633 | 0.670 | 0.706 | 0.743 | 0.779 | 0.815 | 0.851 | 0.886 | 0.922 |    |    |
| 38                                                | 0.657 | 0.698 | 0.739 | 0.780 | 0.820 | 0.860 | 0.900 | 0.939 | 0.978 | 1.017 |    |    |
| 40                                                | 0.722 | 0.767 | 0.812 | 0.857 | 0.901 | 0.945 | 0.988 | 1.032 | 1.075 | 1.118 |    |    |

续表 5

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 0.319 | 0.374 | 0.429 | 0.482 | 0.535 | 0.587 | 0.638 | 0.689 | 0.740 | 0.789 | 0.839 |
| 44                                                | 0.347 | 0.408 | 0.467 | 0.525 | 0.583 | 0.639 | 0.695 | 0.751 | 0.805 | 0.860 | 0.914 |
| 46                                                | 0.377 | 0.442 | 0.507 | 0.570 | 0.632 | 0.694 | 0.754 | 0.814 | 0.874 | 0.933 | 0.991 |
| 48                                                | 0.407 | 0.478 | 0.548 | 0.616 | 0.683 | 0.750 | 0.815 | 0.880 | 0.945 | 1.008 | 1.071 |
| 50                                                | 0.439 | 0.515 | 0.590 | 0.664 | 0.736 | 0.808 | 0.879 | 0.949 | 1.018 | 1.087 | 1.155 |
| 52                                                |       | 0.554 | 0.634 | 0.713 | 0.791 | 0.868 | 0.944 | 1.019 | 1.094 | 1.168 | 1.241 |
| 54                                                |       | 0.593 | 0.680 | 0.764 | 0.848 | 0.930 | 1.012 | 1.092 | 1.172 | 1.251 | 1.329 |
| 56                                                |       | 0.634 | 0.726 | 0.817 | 0.906 | 0.994 | 1.081 | 1.168 | 1.253 | 1.337 | 1.421 |
| 58                                                |       | 0.676 | 0.775 | 0.871 | 0.967 | 1.060 | 1.153 | 1.245 | 1.336 | 1.426 | 1.515 |
| 60                                                |       | 0.720 | 0.824 | 0.927 | 1.028 | 1.128 | 1.227 | 1.325 | 1.422 | 1.517 | 1.612 |
| 62                                                |       |       | 0.875 | 0.985 | 1.092 | 1.198 | 1.303 | 1.407 | 1.510 | 1.611 | 1.712 |
| 64                                                |       |       | 0.928 | 1.044 | 1.158 | 1.270 | 1.381 | 1.491 | 1.600 | 1.708 | 1.815 |
| 66                                                |       |       | 0.982 | 1.104 | 1.225 | 1.344 | 1.461 | 1.578 | 1.693 | 1.807 | 1.920 |
| 68                                                |       |       | 1.037 | 1.166 | 1.293 | 1.419 | 1.543 | 1.666 | 1.788 | 1.908 | 2.028 |
| 70                                                |       |       | 1.093 | 1.230 | 1.364 | 1.497 | 1.628 | 1.757 | 1.885 | 2.013 | 2.139 |
| 72                                                |       |       |       | 1.295 | 1.436 | 1.576 | 1.714 | 1.850 | 1.985 | 2.119 | 2.252 |
| 74                                                |       |       |       | 1.361 | 1.510 | 1.657 | 1.802 | 1.945 | 2.087 | 2.228 | 2.368 |
| 76                                                |       |       |       | 1.430 | 1.586 | 1.740 | 1.892 | 2.043 | 2.192 | 2.340 | 2.486 |
| 78                                                |       |       |       | 1.499 | 1.663 | 1.825 | 1.984 | 2.142 | 2.299 | 2.454 | 2.607 |
| 80                                                |       |       |       | 1.570 | 1.742 | 1.911 | 2.079 | 2.244 | 2.408 | 2.570 | 2.731 |

续表 5

| $V \backslash H$<br>$D$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 0.888 | 0.937 | 0.985 | 1.033 | 1.081 | 1.128 | 1.175 | 1.222 |       |       |
| 44                      | 0.967 | 1.020 | 1.073 | 1.125 | 1.177 | 1.229 | 1.280 | 1.331 |       |       |
| 46                      | 1.049 | 1.107 | 1.164 | 1.220 | 1.277 | 1.333 | 1.388 | 1.444 | 1.499 |       |
| 48                      | 1.134 | 1.196 | 1.258 | 1.319 | 1.380 | 1.441 | 1.501 | 1.561 | 1.621 |       |
| 50                      | 1.222 | 1.289 | 1.356 | 1.422 | 1.487 | 1.553 | 1.618 | 1.682 | 1.746 |       |
| 52                      | 1.313 | 1.385 | 1.457 | 1.528 | 1.598 | 1.668 | 1.738 | 1.807 | 1.876 |       |
| 54                      | 1.407 | 1.484 | 1.561 | 1.637 | 1.713 | 1.788 | 1.862 | 1.937 | 2.011 |       |
| 56                      | 1.504 | 1.587 | 1.668 | 1.750 | 1.831 | 1.911 | 1.991 | 2.070 | 2.149 |       |
| 58                      | 1.604 | 1.692 | 1.779 | 1.866 | 1.952 | 2.038 | 2.123 | 2.208 | 2.292 |       |
| 60                      | 1.707 | 1.800 | 1.893 | 1.985 | 2.077 | 2.168 | 2.259 | 2.349 | 2.439 | 2.528 |
| 62                      | 1.812 | 1.912 | 2.010 | 2.108 | 2.206 | 2.303 | 2.399 | 2.495 | 2.590 | 2.685 |
| 64                      | 1.921 | 2.026 | 2.131 | 2.235 | 2.338 | 2.440 | 2.542 | 2.644 | 2.745 | 2.845 |
| 66                      | 2.032 | 2.144 | 2.254 | 2.364 | 2.473 | 2.582 | 2.690 | 2.797 | 2.904 | 3.010 |
| 68                      | 2.147 | 2.264 | 2.381 | 2.497 | 2.612 | 2.727 | 2.841 | 2.955 | 3.067 | 3.180 |
| 70                      | 2.264 | 2.388 | 2.511 | 2.633 | 2.755 | 2.876 | 2.996 | 3.116 | 3.235 | 3.353 |
| 72                      | 2.383 | 2.514 | 2.644 | 2.773 | 2.901 | 3.028 | 3.155 | 3.281 | 3.406 | 3.531 |
| 74                      | 2.506 | 2.644 | 2.780 | 2.915 | 3.050 | 3.184 | 3.317 | 3.450 | 3.581 | 3.712 |
| 76                      | 2.632 | 2.776 | 2.919 | 3.061 | 3.203 | 3.343 | 3.483 | 3.622 | 3.761 | 3.898 |
| 78                      | 2.760 | 2.911 | 3.061 | 3.211 | 3.359 | 3.506 | 3.653 | 3.799 | 3.944 | 4.088 |
| 80                      | 2.891 | 3.049 | 3.207 | 3.363 | 3.518 | 3.673 | 3.826 | 3.979 | 4.131 | 4.282 |

## 七、东北地区柞树二元立木材积表

$$V = 0.000061125534 D^{1.8810081} H^{0.94482585}$$

表 6

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4                                                 | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 |       |       |       |       |
| 6                                                 | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 |       |       |
| 8                                                 |       | 0.009 | 0.011 | 0.014 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.037 |
| 10                                                |       | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.041 | 0.045 | 0.049 | 0.052 | 0.056 |
| 12                                                |       |       | 0.024 | 0.030 | 0.036 | 0.041 | 0.047 | 0.052 | 0.058 | 0.063 | 0.068 | 0.074 | 0.079 |
| 14                                                |       |       |       | 0.040 | 0.048 | 0.055 | 0.062 | 0.070 | 0.077 | 0.084 | 0.092 | 0.099 | 0.106 |
| 16                                                |       |       |       | 0.051 | 0.061 | 0.071 | 0.080 | 0.090 | 0.099 | 0.108 | 0.118 | 0.127 | 0.136 |
| 18                                                |       |       |       |       | 0.076 | 0.088 | 0.100 | 0.112 | 0.124 | 0.135 | 0.147 | 0.158 | 0.170 |
| 20                                                |       |       |       |       |       | 0.108 | 0.122 | 0.136 | 0.151 | 0.165 | 0.179 | 0.193 | 0.207 |
| 22                                                |       |       |       |       |       |       | 0.146 | 0.163 | 0.180 | 0.197 | 0.214 | 0.231 | 0.248 |
| 24                                                |       |       |       |       |       |       |       | 0.192 | 0.212 | 0.232 | 0.252 | 0.272 | 0.292 |
| 26                                                |       |       |       |       |       |       |       |       | 0.247 | 0.270 | 0.293 | 0.316 | 0.339 |
| 28                                                |       |       |       |       |       |       |       |       |       | 0.311 | 0.337 | 0.364 | 0.390 |
| 30                                                |       |       |       |       |       |       |       |       |       |       | 0.384 | 0.414 | 0.444 |
| 32                                                |       |       |       |       |       |       |       |       |       |       | 0.433 | 0.467 | 0.501 |
| 34                                                |       |       |       |       |       |       |       |       |       |       |       | 0.524 | 0.562 |
| 36                                                |       |       |       |       |       |       |       |       |       |       |       | 0.583 | 0.626 |
| 38                                                |       |       |       |       |       |       |       |       |       |       |       |       | 0.693 |
| 40                                                |       |       |       |       |       |       |       |       |       |       |       |       | 0.763 |

续表 6

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                           |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.085 |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.113 | 0.120 |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.145 | 0.154 | 0.163 |       |       |       |       |       |       |       |       |       |       |
| 18                                        | 0.181 | 0.193 | 0.204 | 0.215 |       |       |       |       |       |       |       |       |       |
| 20                                        | 0.221 | 0.235 | 0.249 | 0.263 | 0.276 |       |       |       |       |       |       |       |       |
| 22                                        | 0.264 | 0.281 | 0.298 | 0.314 | 0.331 | 0.347 |       |       |       |       |       |       |       |
| 24                                        | 0.311 | 0.331 | 0.351 | 0.370 | 0.389 | 0.409 | 0.428 |       |       |       |       |       |       |
| 26                                        | 0.362 | 0.385 | 0.407 | 0.430 | 0.453 | 0.475 | 0.498 | 0.520 |       |       |       |       |       |
| 28                                        | 0.416 | 0.442 | 0.468 | 0.494 | 0.520 | 0.546 | 0.572 | 0.598 | 0.623 |       |       |       |       |
| 30                                        | 0.474 | 0.504 | 0.533 | 0.563 | 0.592 | 0.622 | 0.651 | 0.680 | 0.710 | 0.739 |       |       |       |
| 32                                        | 0.535 | 0.569 | 0.602 | 0.636 | 0.669 | 0.702 | 0.735 | 0.768 | 0.801 | 0.834 | 0.867 |       |       |
| 34                                        | 0.600 | 0.637 | 0.675 | 0.712 | 0.750 | 0.787 | 0.824 | 0.861 | 0.898 | 0.935 | 0.972 | 1.008 |       |
| 36                                        | 0.668 | 0.710 | 0.752 | 0.793 | 0.835 | 0.876 | 0.918 | 0.959 | 1.000 | 1.041 | 1.082 | 1.123 | 1.163 |
| 38                                        | 0.739 | 0.786 | 0.832 | 0.878 | 0.924 | 0.970 | 1.016 | 1.061 | 1.107 | 1.152 | 1.198 | 1.243 | 1.288 |
| 40                                        | 0.814 | 0.865 | 0.916 | 0.967 | 1.018 | 1.068 | 1.119 | 1.169 | 1.219 | 1.269 | 1.319 | 1.369 | 1.418 |

续表 6

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.948 | 1.004 | 1.060 | 1.116 | 1.171 | 1.226 | 1.281 | 1.336 | 1.391 | 1.446 | 1.500 | 1.555 | 1.609 |
| 44                                        | 1.035 | 1.096 | 1.157 | 1.218 | 1.278 | 1.338 | 1.398 | 1.458 | 1.518 | 1.578 | 1.638 | 1.697 | 1.756 |
| 46                                        | 1.125 | 1.192 | 1.258 | 1.324 | 1.390 | 1.455 | 1.520 | 1.586 | 1.651 | 1.716 | 1.780 | 1.845 | 1.909 |
| 48                                        | 1.219 | 1.291 | 1.363 | 1.434 | 1.505 | 1.576 | 1.647 | 1.718 | 1.788 | 1.859 | 1.929 | 1.999 | 2.069 |
| 50                                        |       | 1.394 | 1.472 | 1.549 | 1.626 | 1.702 | 1.779 | 1.855 | 1.931 | 2.007 | 2.083 | 2.158 | 2.234 |
| 52                                        |       | 1.501 | 1.584 | 1.667 | 1.750 | 1.832 | 1.915 | 1.997 | 2.079 | 2.161 | 2.242 | 2.324 | 2.405 |
| 54                                        |       | 1.611 | 1.701 | 1.790 | 1.879 | 1.967 | 2.056 | 2.144 | 2.232 | 2.320 | 2.407 | 2.494 | 2.582 |
| 56                                        |       |       | 1.821 | 1.917 | 2.012 | 2.107 | 2.201 | 2.296 | 2.390 | 2.484 | 2.578 | 2.671 | 2.764 |
| 58                                        |       |       | 1.945 | 2.047 | 2.149 | 2.250 | 2.351 | 2.452 | 2.553 | 2.653 | 2.753 | 2.853 | 2.953 |
| 60                                        |       |       | 2.073 | 2.182 | 2.290 | 2.399 | 2.506 | 2.614 | 2.721 | 2.828 | 2.935 | 3.041 | 3.147 |
| 62                                        |       |       |       | 2.321 | 2.436 | 2.551 | 2.666 | 2.780 | 2.894 | 3.008 | 3.121 | 3.235 | 3.348 |
| 64                                        |       |       |       | 2.464 | 2.586 | 2.708 | 2.830 | 2.951 | 3.072 | 3.193 | 3.313 | 3.434 | 3.554 |
| 66                                        |       |       |       | 2.611 | 2.740 | 2.869 | 2.998 | 3.127 | 3.255 | 3.383 | 3.511 | 3.638 | 3.766 |
| 68                                        |       |       |       |       | 2.899 | 3.035 | 3.172 | 3.308 | 3.443 | 3.579 | 3.714 | 3.849 | 3.983 |
| 70                                        |       |       |       |       | 3.061 | 3.205 | 3.349 | 3.493 | 3.636 | 3.779 | 3.922 | 4.064 | 4.206 |
| 72                                        |       |       |       |       | 3.228 | 3.380 | 3.532 | 3.683 | 3.834 | 3.985 | 4.135 | 4.285 | 4.435 |
| 74                                        |       |       |       |       |       | 3.558 | 3.718 | 3.878 | 4.037 | 4.196 | 4.354 | 4.512 | 4.670 |
| 76                                        |       |       |       |       |       | 3.742 | 3.910 | 4.077 | 4.245 | 4.411 | 4.578 | 4.744 | 4.910 |
| 78                                        |       |       |       |       |       | 3.929 | 4.105 | 4.281 | 4.457 | 4.632 | 4.807 | 4.982 | 5.156 |
| 80                                        |       |       |       |       |       | 4.121 | 4.306 | 4.490 | 4.675 | 4.858 | 5.042 | 5.225 | 5.407 |

## 八、东北地区山杨二元立木材积表

$$V = 0.000053474319D^{1.8778994}H^{0.99982765}$$

表 7

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                         | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |       |       |
| 6                                         |       | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.019 | 0.020 |       |       |
| 8                                         |       | 0.008 | 0.011 | 0.013 | 0.016 | 0.019 | 0.021 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.037 | 0.040 |
| 10                                        |       |       | 0.016 | 0.020 | 0.024 | 0.028 | 0.032 | 0.036 | 0.040 | 0.044 | 0.048 | 0.052 | 0.056 | 0.061 |
| 12                                        |       |       |       | 0.028 | 0.034 | 0.040 | 0.045 | 0.051 | 0.057 | 0.063 | 0.068 | 0.074 | 0.080 | 0.085 |
| 14                                        |       |       |       |       | 0.046 | 0.053 | 0.061 | 0.068 | 0.076 | 0.083 | 0.091 | 0.099 | 0.106 | 0.114 |
| 16                                        |       |       |       |       |       | 0.068 | 0.078 | 0.088 | 0.098 | 0.107 | 0.117 | 0.127 | 0.137 | 0.146 |
| 18                                        |       |       |       |       |       |       | 0.097 | 0.110 | 0.122 | 0.134 | 0.146 | 0.158 | 0.170 | 0.183 |
| 20                                        |       |       |       |       |       |       |       | 0.133 | 0.148 | 0.163 | 0.178 | 0.193 | 0.208 | 0.222 |
| 22                                        |       |       |       |       |       |       |       | 0.160 | 0.177 | 0.195 | 0.213 | 0.231 | 0.248 | 0.266 |
| 24                                        |       |       |       |       |       |       |       |       | 0.208 | 0.230 | 0.251 | 0.272 | 0.292 | 0.313 |
| 26                                        |       |       |       |       |       |       |       |       | 0.243 | 0.267 | 0.291 | 0.316 | 0.340 | 0.364 |
| 28                                        |       |       |       |       |       |       |       |       |       | 0.307 | 0.335 | 0.363 | 0.391 | 0.418 |
| 30                                        |       |       |       |       |       |       |       |       |       | 0.349 | 0.381 | 0.413 | 0.445 | 0.476 |
| 32                                        |       |       |       |       |       |       |       |       |       |       | 0.430 | 0.466 | 0.502 | 0.538 |
| 34                                        |       |       |       |       |       |       |       |       |       |       | 0.482 | 0.522 | 0.562 | 0.603 |
| 36                                        |       |       |       |       |       |       |       |       |       |       |       | 0.581 | 0.626 | 0.671 |
| 38                                        |       |       |       |       |       |       |       |       |       |       |       | 0.644 | 0.693 | 0.743 |
| 40                                        |       |       |       |       |       |       |       |       |       |       |       |       | 0.763 | 0.818 |
| 42                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 44                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表 7

| $V \backslash H$<br>$D$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       | 0.042 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      | 0.065 | 0.069 | 0.073 | 0.077 | 0.081 |       |       |       |       |       |       |       |       |       |       |
| 12                      | 0.091 | 0.097 | 0.102 | 0.108 | 0.114 | 0.119 | 0.125 |       |       |       |       |       |       |       |       |
| 14                      | 0.121 | 0.129 | 0.137 | 0.144 | 0.152 | 0.159 | 0.167 | 0.175 |       |       |       |       |       |       |       |
| 16                      | 0.156 | 0.166 | 0.176 | 0.185 | 0.195 | 0.205 | 0.215 | 0.224 | 0.234 |       |       |       |       |       |       |
| 18                      | 0.195 | 0.207 | 0.219 | 0.231 | 0.243 | 0.256 | 0.268 | 0.280 | 0.292 | 0.304 |       |       |       |       |       |
| 20                      | 0.237 | 0.252 | 0.267 | 0.282 | 0.297 | 0.311 | 0.326 | 0.341 | 0.356 | 0.371 | 0.386 |       |       |       |       |
| 22                      | 0.284 | 0.302 | 0.319 | 0.337 | 0.355 | 0.372 | 0.390 | 0.408 | 0.426 | 0.443 | 0.461 | 0.479 |       |       |       |
| 24                      | 0.334 | 0.355 | 0.376 | 0.397 | 0.418 | 0.439 | 0.459 | 0.480 | 0.501 | 0.522 | 0.543 | 0.564 | 0.585 |       |       |
| 26                      | 0.388 | 0.413 | 0.437 | 0.461 | 0.485 | 0.510 | 0.534 | 0.558 | 0.583 | 0.607 | 0.631 | 0.655 | 0.680 | 0.704 |       |
| 28                      | 0.446 | 0.474 | 0.502 | 0.530 | 0.558 | 0.586 | 0.614 | 0.642 | 0.669 | 0.697 | 0.725 | 0.753 | 0.781 | 0.809 | 0.837 |
| 30                      | 0.508 | 0.540 | 0.572 | 0.603 | 0.635 | 0.667 | 0.699 | 0.730 | 0.762 | 0.794 | 0.826 | 0.857 | 0.889 | 0.921 | 0.953 |
| 32                      | 0.574 | 0.609 | 0.645 | 0.681 | 0.717 | 0.753 | 0.789 | 0.824 | 0.860 | 0.896 | 0.932 | 0.968 | 1.004 | 1.039 | 1.075 |
| 34                      | 0.643 | 0.683 | 0.723 | 0.763 | 0.803 | 0.844 | 0.884 | 0.924 | 0.964 | 1.004 | 1.044 | 1.084 | 1.125 | 1.165 | 1.205 |
| 36                      | 0.716 | 0.760 | 0.805 | 0.850 | 0.894 | 0.939 | 0.984 | 1.029 | 1.073 | 1.118 | 1.163 | 1.207 | 1.252 | 1.297 | 1.342 |
| 38                      | 0.792 | 0.842 | 0.891 | 0.940 | 0.990 | 1.039 | 1.089 | 1.138 | 1.188 | 1.237 | 1.287 | 1.336 | 1.386 | 1.435 | 1.485 |
| 40                      | 0.872 | 0.927 | 0.981 | 1.036 | 1.090 | 1.145 | 1.199 | 1.254 | 1.308 | 1.363 | 1.417 | 1.472 | 1.526 | 1.581 | 1.635 |
| 42                      | 0.956 | 1.016 | 1.075 | 1.135 | 1.195 | 1.254 | 1.314 | 1.374 | 1.434 | 1.493 | 1.553 | 1.613 | 1.672 | 1.732 | 1.792 |
| 44                      | 1.043 | 1.108 | 1.173 | 1.239 | 1.304 | 1.369 | 1.434 | 1.499 | 1.564 | 1.630 | 1.695 | 1.760 | 1.825 | 1.890 | 1.955 |



## 九、东北地区白桦二元立木材积表

$$V = 0.000051935163 D^{1.8586884} H^{1.0028941}$$

表 8

| $\begin{matrix} V & H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |       |       |       |
| 4                                        | 0.001 | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 |
| 6                                        | 0.003 | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 |
| 8                                        | 0.005 | 0.007 | 0.010 | 0.012 | 0.015 | 0.017 | 0.020 | 0.022 | 0.025 | 0.028 | 0.030 | 0.033 |
| 10                                       |       | 0.011 | 0.015 | 0.019 | 0.023 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.045 | 0.049 |
| 12                                       |       | 0.016 | 0.021 | 0.026 | 0.032 | 0.037 | 0.042 | 0.048 | 0.053 | 0.058 | 0.064 | 0.069 |
| 14                                       |       |       | 0.028 | 0.035 | 0.042 | 0.049 | 0.057 | 0.064 | 0.071 | 0.078 | 0.085 | 0.092 |
| 16                                       |       |       | 0.036 | 0.045 | 0.054 | 0.063 | 0.072 | 0.082 | 0.091 | 0.100 | 0.109 | 0.118 |
| 18                                       |       |       |       | 0.056 | 0.068 | 0.079 | 0.090 | 0.102 | 0.113 | 0.124 | 0.136 | 0.147 |
| 20                                       |       |       |       | 0.068 | 0.082 | 0.096 | 0.110 | 0.123 | 0.137 | 0.151 | 0.165 | 0.179 |
| 22                                       |       |       |       |       | 0.098 | 0.115 | 0.131 | 0.147 | 0.164 | 0.180 | 0.197 | 0.213 |
| 24                                       |       |       |       |       | 0.115 | 0.135 | 0.154 | 0.173 | 0.193 | 0.212 | 0.231 | 0.251 |
| 26                                       |       |       |       |       |       | 0.156 | 0.179 | 0.201 | 0.224 | 0.246 | 0.268 | 0.291 |
| 28                                       |       |       |       |       |       | 0.179 | 0.205 | 0.231 | 0.257 | 0.282 | 0.308 | 0.334 |
| 30                                       |       |       |       |       |       |       | 0.233 | 0.262 | 0.292 | 0.321 | 0.350 | 0.380 |
| 32                                       |       |       |       |       |       |       | 0.263 | 0.296 | 0.329 | 0.362 | 0.395 | 0.428 |
| 34                                       |       |       |       |       |       |       |       | 0.331 | 0.368 | 0.405 | 0.442 | 0.479 |
| 36                                       |       |       |       |       |       |       |       | 0.368 | 0.409 | 0.450 | 0.492 | 0.533 |
| 38                                       |       |       |       |       |       |       |       |       | 0.453 | 0.498 | 0.543 | 0.589 |
| 40                                       |       |       |       |       |       |       |       |       | 0.498 | 0.548 | 0.598 | 0.648 |

续表 8

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         | 0.010 |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.021 | 0.022 | 0.023 | 0.025 | 0.026 | 0.028 | 0.029 |       |       |       |       |       |
| 8                                         | 0.035 | 0.038 | 0.040 | 0.043 | 0.045 | 0.048 | 0.050 | 0.053 |       |       |       |       |
| 10                                        | 0.053 | 0.057 | 0.061 | 0.064 | 0.068 | 0.072 | 0.076 | 0.080 | 0.084 | 0.087 | 0.091 |       |
| 12                                        | 0.074 | 0.080 | 0.085 | 0.090 | 0.096 | 0.101 | 0.107 | 0.112 | 0.117 | 0.123 | 0.128 | 0.133 |
| 14                                        | 0.099 | 0.106 | 0.113 | 0.121 | 0.128 | 0.135 | 0.142 | 0.149 | 0.156 | 0.163 | 0.170 | 0.177 |
| 16                                        | 0.127 | 0.136 | 0.145 | 0.154 | 0.164 | 0.173 | 0.182 | 0.191 | 0.200 | 0.209 | 0.218 | 0.227 |
| 18                                        | 0.158 | 0.170 | 0.181 | 0.192 | 0.204 | 0.215 | 0.226 | 0.238 | 0.249 | 0.260 | 0.272 | 0.283 |
| 20                                        | 0.192 | 0.206 | 0.220 | 0.234 | 0.248 | 0.261 | 0.275 | 0.289 | 0.303 | 0.317 | 0.331 | 0.344 |
| 22                                        | 0.230 | 0.246 | 0.263 | 0.279 | 0.296 | 0.312 | 0.329 | 0.345 | 0.362 | 0.378 | 0.395 | 0.411 |
| 24                                        | 0.270 | 0.289 | 0.309 | 0.328 | 0.348 | 0.367 | 0.386 | 0.406 | 0.425 | 0.445 | 0.464 | 0.483 |
| 26                                        | 0.313 | 0.336 | 0.358 | 0.381 | 0.403 | 0.426 | 0.448 | 0.471 | 0.493 | 0.516 | 0.538 | 0.561 |
| 28                                        | 0.360 | 0.385 | 0.411 | 0.437 | 0.463 | 0.489 | 0.514 | 0.540 | 0.566 | 0.592 | 0.618 | 0.644 |
| 30                                        | 0.409 | 0.438 | 0.467 | 0.497 | 0.526 | 0.556 | 0.585 | 0.614 | 0.644 | 0.673 | 0.702 | 0.732 |
| 32                                        | 0.461 | 0.494 | 0.527 | 0.560 | 0.593 | 0.626 | 0.659 | 0.693 | 0.726 | 0.759 | 0.792 | 0.825 |
| 34                                        | 0.516 | 0.553 | 0.590 | 0.627 | 0.664 | 0.701 | 0.738 | 0.775 | 0.812 | 0.849 | 0.886 | 0.923 |
| 36                                        | 0.574 | 0.615 | 0.656 | 0.697 | 0.738 | 0.780 | 0.821 | 0.862 | 0.903 | 0.944 | 0.986 | 1.027 |
| 38                                        | 0.634 | 0.680 | 0.725 | 0.771 | 0.816 | 0.862 | 0.908 | 0.953 | 0.999 | 1.044 | 1.090 | 1.135 |
| 40                                        | 0.698 | 0.748 | 0.798 | 0.848 | 0.898 | 0.948 | 0.998 | 1.048 | 1.099 | 1.149 | 1.199 | 1.249 |

续表 8

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 12                                        | 0.139 | 0.144 | 0.149 | 0.155 |       |       |       |       |       |       |  |  |
| 14                                        | 0.185 | 0.192 | 0.199 | 0.206 | 0.213 |       |       |       |       |       |  |  |
| 16                                        | 0.237 | 0.246 | 0.255 | 0.264 | 0.273 |       |       |       |       |       |  |  |
| 18                                        | 0.295 | 0.306 | 0.317 | 0.329 | 0.340 | 0.351 | 0.363 | 0.374 |       |       |  |  |
| 20                                        | 0.358 | 0.372 | 0.386 | 0.400 | 0.414 | 0.427 | 0.441 | 0.455 |       |       |  |  |
| 22                                        | 0.428 | 0.444 | 0.461 | 0.477 | 0.494 | 0.510 | 0.527 | 0.543 | 0.560 | 0.576 |  |  |
| 24                                        | 0.503 | 0.522 | 0.542 | 0.561 | 0.580 | 0.600 | 0.619 | 0.639 | 0.658 | 0.678 |  |  |
| 26                                        | 0.583 | 0.606 | 0.628 | 0.651 | 0.673 | 0.696 | 0.719 | 0.741 | 0.764 | 0.786 |  |  |
| 28                                        | 0.670 | 0.695 | 0.721 | 0.747 | 0.773 | 0.799 | 0.825 | 0.851 | 0.876 | 0.902 |  |  |
| 30                                        | 0.761 | 0.791 | 0.820 | 0.849 | 0.879 | 0.908 | 0.938 | 0.967 | 0.996 | 1.026 |  |  |
| 32                                        | 0.858 | 0.891 | 0.924 | 0.958 | 0.991 | 1.024 | 1.057 | 1.090 | 1.123 | 1.157 |  |  |
| 34                                        | 0.960 | 0.998 | 1.035 | 1.072 | 1.109 | 1.146 | 1.183 | 1.220 | 1.257 | 1.294 |  |  |
| 36                                        | 1.068 | 1.109 | 1.151 | 1.192 | 1.233 | 1.274 | 1.316 | 1.357 | 1.398 | 1.440 |  |  |
| 38                                        | 1.181 | 1.227 | 1.272 | 1.318 | 1.364 | 1.409 | 1.455 | 1.500 | 1.546 | 1.592 |  |  |
| 40                                        | 1.299 | 1.349 | 1.400 | 1.450 | 1.500 | 1.550 | 1.600 | 1.651 | 1.701 | 1.751 |  |  |

续表 8

| $V \backslash D$ | $H$   | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 42               | 0.600 | 0.655 | 0.709 | 0.764 | 0.819 | 0.874 | 0.929 | 0.983 | 1.038 | 1.093 | 1.148 | 1.203 | 1.258 |    |
| 44               | 0.654 | 0.714 | 0.773 | 0.833 | 0.893 | 0.953 | 1.012 | 1.072 | 1.132 | 1.192 | 1.252 | 1.312 | 1.371 |    |
| 46               | 0.710 | 0.775 | 0.840 | 0.905 | 0.970 | 1.035 | 1.100 | 1.165 | 1.230 | 1.295 | 1.359 | 1.424 | 1.490 |    |
| 48               |       | 0.839 | 0.909 | 0.979 | 1.050 | 1.120 | 1.190 | 1.260 | 1.331 | 1.401 | 1.471 | 1.542 | 1.612 |    |
| 50               |       | 0.905 | 0.981 | 1.057 | 1.132 | 1.208 | 1.284 | 1.360 | 1.436 | 1.512 | 1.587 | 1.663 | 1.739 |    |
| 52               |       | 0.974 | 1.055 | 1.136 | 1.218 | 1.300 | 1.381 | 1.463 | 1.544 | 1.626 | 1.707 | 1.789 | 1.871 |    |
| 54               |       |       | 1.132 | 1.219 | 1.307 | 1.394 | 1.481 | 1.569 | 1.656 | 1.744 | 1.832 | 1.919 | 2.007 |    |
| 56               |       |       | 1.211 | 1.304 | 1.398 | 1.491 | 1.585 | 1.679 | 1.772 | 1.866 | 1.960 | 2.053 | 2.147 |    |
| 58               |       |       | 1.292 | 1.392 | 1.492 | 1.592 | 1.692 | 1.792 | 1.892 | 1.992 | 2.092 | 2.192 | 2.292 |    |
| 60               |       |       | 1.376 | 1.483 | 1.589 | 1.696 | 1.802 | 1.908 | 2.015 | 2.121 | 2.228 | 2.334 | 2.441 |    |
| 62               |       |       |       | 1.576 | 1.689 | 1.802 | 1.915 | 2.028 | 2.141 | 2.255 | 2.368 | 2.481 | 2.594 |    |
| 64               |       |       |       | 1.672 | 1.792 | 1.912 | 2.032 | 2.102 | 2.272 | 2.392 | 2.512 | 2.632 | 2.752 |    |
| 66               |       |       |       | 1.770 | 1.897 | 2.024 | 2.151 | 2.278 | 2.405 | 2.532 | 2.659 | 2.787 | 2.914 |    |

续表 8

| $V \backslash D$ | $H$   |       |       |       |       |       |       |       |       |       |       |       |  |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|                  | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |
| 42               | 1.313 | 1.368 | 1.423 | 1.477 | 1.532 | 1.587 | 1.642 | 1.697 | 1.752 | 1.807 | 1.862 | 1.917 |  |
| 44               | 1.431 | 1.491 | 1.551 | 1.611 | 1.671 | 1.731 | 1.791 | 1.851 | 1.910 | 1.970 | 2.030 | 2.090 |  |
| 46               | 1.555 | 1.620 | 1.685 | 1.750 | 1.815 | 1.880 | 1.945 | 2.010 | 2.075 | 2.140 | 2.205 | 2.270 |  |
| 48               | 1.682 | 1.753 | 1.823 | 1.894 | 1.964 | 2.035 | 2.105 | 2.175 | 2.246 | 2.316 | 2.387 | 2.457 |  |
| 50               | 1.815 | 1.891 | 1.967 | 2.043 | 2.119 | 2.195 | 2.271 | 2.347 | 2.423 | 2.499 | 2.575 | 2.651 |  |
| 52               | 1.952 | 2.034 | 2.116 | 2.197 | 2.279 | 2.361 | 2.443 | 2.524 | 2.606 | 2.688 | 2.770 | 2.851 |  |
| 54               | 2.094 | 2.182 | 2.269 | 2.357 | 2.445 | 2.532 | 2.620 | 2.708 | 2.795 | 2.883 | 2.971 | 3.059 |  |
| 56               | 2.241 | 2.334 | 2.428 | 2.522 | 2.616 | 2.710 | 2.803 | 2.897 | 2.991 | 3.085 | 3.179 | 3.272 |  |
| 58               | 2.392 | 2.492 | 2.592 | 2.692 | 2.792 | 2.892 | 2.992 | 3.092 | 3.193 | 3.293 | 3.393 | 3.493 |  |
| 60               | 2.547 | 2.654 | 2.760 | 2.867 | 2.974 | 3.080 | 3.187 | 3.294 | 3.400 | 3.507 | 3.614 | 3.720 |  |
| 62               | 2.707 | 2.821 | 2.934 | 3.047 | 3.160 | 3.274 | 3.387 | 3.500 | 3.614 | 3.727 | 3.841 | 3.954 |  |
| 64               | 2.872 | 2.992 | 3.112 | 3.232 | 3.353 | 3.473 | 3.593 | 3.713 | 3.834 | 3.954 | 4.074 | 4.194 |  |
| 66               | 3.041 | 3.168 | 3.295 | 3.423 | 3.550 | 3.677 | 3.805 | 3.932 | 4.059 | 4.187 | 4.314 | 4.441 |  |

## 十、东北地区黑桦二元立木材积表

$$V = 0.000052786451 D^{1.7847313} H^{1.0712823}$$

表 9

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |
| 4          |     | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |       |       |       |
| 6          |     | 0.003 | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.012 | 0.014 | 0.016 | 0.017 | 0.019 | 0.021 | 0.022 |
| 8          |     | 0.005 | 0.007 | 0.010 | 0.012 | 0.015 | 0.018 | 0.020 | 0.023 | 0.026 | 0.029 | 0.032 | 0.034 | 0.037 |
| 10         |     |       | 0.011 | 0.015 | 0.018 | 0.022 | 0.026 | 0.031 | 0.035 | 0.039 | 0.043 | 0.047 | 0.051 | 0.056 |
| 12         |     |       |       | 0.020 | 0.026 | 0.031 | 0.037 | 0.042 | 0.048 | 0.054 | 0.060 | 0.065 | 0.071 | 0.077 |
| 14         |     |       |       | 0.027 | 0.034 | 0.041 | 0.048 | 0.056 | 0.063 | 0.071 | 0.079 | 0.086 | 0.094 | 0.102 |
| 16         |     |       |       |       | 0.043 | 0.052 | 0.062 | 0.071 | 0.081 | 0.090 | 0.100 | 0.110 | 0.119 | 0.129 |
| 18         |     |       |       |       | 0.053 | 0.064 | 0.076 | 0.088 | 0.099 | 0.111 | 0.123 | 0.135 | 0.147 | 0.160 |
| 20         |     |       |       |       |       | 0.078 | 0.092 | 0.106 | 0.120 | 0.135 | 0.149 | 0.164 | 0.178 | 0.193 |
| 22         |     |       |       |       |       | 0.092 | 0.109 | 0.126 | 0.143 | 0.160 | 0.177 | 0.194 | 0.211 | 0.229 |
| 24         |     |       |       |       |       |       | 0.127 | 0.147 | 0.167 | 0.187 | 0.207 | 0.227 | 0.247 | 0.268 |
| 26         |     |       |       |       |       |       | 0.147 | 0.170 | 0.192 | 0.215 | 0.239 | 0.262 | 0.285 | 0.309 |
| 28         |     |       |       |       |       |       |       | 0.194 | 0.220 | 0.246 | 0.273 | 0.299 | 0.326 | 0.353 |
| 30         |     |       |       |       |       |       |       | 0.219 | 0.249 | 0.278 | 0.308 | 0.339 | 0.369 | 0.399 |

续表 9

| $V \backslash H$<br>$D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25 | 26 | 27 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|
| 2                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 4                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 6                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 8                       | 0.040 | 0.043 | 0.046 | 0.049 |       |       |       |       |       |       |    |    |    |
| 10                      | 0.060 | 0.064 | 0.068 | 0.073 | 0.077 |       |       |       |       |       |    |    |    |
| 12                      | 0.083 | 0.089 | 0.095 | 0.101 | 0.107 | 0.113 |       |       |       |       |    |    |    |
| 14                      | 0.110 | 0.117 | 0.125 | 0.133 | 0.141 | 0.149 |       |       |       |       |    |    |    |
| 16                      | 0.139 | 0.149 | 0.159 | 0.169 | 0.179 | 0.189 | 0.200 |       |       |       |    |    |    |
| 18                      | 0.172 | 0.184 | 0.197 | 0.209 | 0.221 | 0.234 | 0.247 |       |       |       |    |    |    |
| 20                      | 0.208 | 0.223 | 0.237 | 0.252 | 0.268 | 0.283 | 0.298 | 0.313 |       |       |    |    |    |
| 22                      | 0.246 | 0.264 | 0.282 | 0.300 | 0.317 | 0.335 | 0.353 | 0.371 |       |       |    |    |    |
| 24                      | 0.288 | 0.309 | 0.329 | 0.350 | 0.371 | 0.392 | 0.413 | 0.434 | 0.455 |       |    |    |    |
| 26                      | 0.333 | 0.356 | 0.380 | 0.404 | 0.428 | 0.453 | 0.477 | 0.501 | 0.526 |       |    |    |    |
| 28                      | 0.380 | 0.407 | 0.434 | 0.462 | 0.489 | 0.517 | 0.545 | 0.573 | 0.601 | 0.629 |    |    |    |
| 30                      | 0.430 | 0.461 | 0.492 | 0.523 | 0.554 | 0.585 | 0.617 | 0.648 | 0.680 | 0.711 |    |    |    |

续表 9

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                        | 0.313 | 0.346 | 0.380 | 0.414 | 0.448 | 0.483 | 0.517 | 0.552 | 0.587 | 0.622 | 0.657 |
| 34                                        | 0.349 | 0.386 | 0.424 | 0.462 | 0.500 | 0.538 | 0.577 | 0.616 | 0.654 | 0.693 | 0.733 |
| 36                                        | 0.386 | 0.428 | 0.470 | 0.512 | 0.554 | 0.596 | 0.639 | 0.682 | 0.725 | 0.768 | 0.812 |
| 38                                        | 0.426 | 0.471 | 0.517 | 0.564 | 0.610 | 0.657 | 0.704 | 0.752 | 0.799 | 0.847 | 0.894 |
| 40                                        | 0.467 | 0.517 | 0.567 | 0.618 | 0.669 | 0.721 | 0.772 | 0.824 | 0.876 | 0.928 | 0.981 |
| 42                                        | 0.509 | 0.564 | 0.619 | 0.675 | 0.731 | 0.787 | 0.843 | 0.899 | 0.956 | 1.013 | 1.070 |
| 44                                        | 0.554 | 0.613 | 0.673 | 0.734 | 0.794 | 0.855 | 0.916 | 0.978 | 1.039 | 1.101 | 1.164 |
| 46                                        | 0.600 | 0.664 | 0.729 | 0.794 | 0.860 | 0.926 | 0.992 | 1.059 | 1.126 | 1.193 | 1.260 |
| 48                                        | 0.647 | 0.717 | 0.787 | 0.857 | 0.928 | 0.999 | 1.071 | 1.143 | 1.215 | 1.288 | 1.360 |
| 50                                        | 0.697 | 0.771 | 0.847 | 0.923 | 0.999 | 1.076 | 1.153 | 1.230 | 1.308 | 1.385 | 1.464 |
| 52                                        | 0.747 | 0.828 | 0.909 | 0.990 | 1.072 | 1.154 | 1.237 | 1.320 | 1.403 | 1.487 | 1.570 |
| 54                                        | 0.800 | 0.886 | 0.972 | 1.059 | 1.147 | 1.235 | 1.323 | 1.412 | 1.501 | 1.591 | 1.681 |
| 56                                        | 0.854 | 0.945 | 1.038 | 1.131 | 1.224 | 1.318 | 1.412 | 1.507 | 1.602 | 1.698 | 1.794 |
| 58                                        | 0.909 | 1.007 | 1.105 | 1.204 | 1.304 | 1.404 | 1.504 | 1.605 | 1.707 | 1.808 | 1.910 |
| 60                                        | 0.966 | 1.070 | 1.175 | 1.280 | 1.386 | 1.492 | 1.599 | 1.706 | 1.814 | 1.922 | 2.030 |



续表 9

| $V \backslash H$<br>$D$ | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                      | 0.692 | 0.728 | 0.763 | 0.799 | 0.834 |       |       |       |       |       |
| 34                      | 0.772 | 0.811 | 0.851 | 0.891 | 0.930 |       |       |       |       |       |
| 36                      | 0.855 | 0.899 | 0.943 | 0.987 | 1.031 | 1.075 |       |       |       |       |
| 38                      | 0.942 | 0.991 | 1.039 | 1.087 | 1.136 | 1.185 |       |       |       |       |
| 40                      | 1.033 | 1.086 | 1.139 | 1.192 | 1.246 | 1.299 | 1.353 |       |       |       |
| 42                      | 1.128 | 1.186 | 1.243 | 1.301 | 1.359 | 1.418 | 1.476 |       |       |       |
| 44                      | 1.226 | 1.289 | 1.352 | 1.415 | 1.478 | 1.541 | 1.605 | 1.669 |       |       |
| 46                      | 1.328 | 1.396 | 1.464 | 1.532 | 1.601 | 1.669 | 1.738 | 1.807 |       |       |
| 48                      | 1.433 | 1.507 | 1.580 | 1.654 | 1.728 | 1.802 | 1.876 | 1.951 | 2.025 |       |
| 50                      | 1.542 | 1.621 | 1.700 | 1.779 | 1.859 | 1.939 | 2.019 | 2.099 | 2.179 |       |
| 52                      | 1.655 | 1.739 | 1.824 | 1.909 | 1.995 | 2.080 | 2.166 | 2.252 | 2.338 | 2.425 |
| 54                      | 1.771 | 1.862 | 1.952 | 2.043 | 2.134 | 2.226 | 2.318 | 2.410 | 2.502 | 2.595 |
| 56                      | 1.890 | 1.987 | 2.084 | 2.181 | 2.278 | 2.376 | 2.474 | 2.572 | 2.671 | 2.770 |
| 58                      | 2.013 | 2.116 | 2.219 | 2.323 | 2.426 | 2.531 | 2.635 | 2.740 | 2.845 | 2.950 |
| 60                      | 2.139 | 2.249 | 2.358 | 2.468 | 2.579 | 2.689 | 2.800 | 2.911 | 3.023 | 3.135 |

## 十一、东北地区阔叶树二元立木材积表

$$V = 0.000041960698 D^{1.9094595} H^{1.0413892}$$

表10

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |       |
| 6                                      |       | 0.004 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 |
| 8                                      |       |       | 0.009 | 0.012 | 0.014 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.030 | 0.032 |
| 10                                     |       |       | 0.014 | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.037 | 0.041 | 0.045 | 0.049 |
| 12                                     |       |       |       | 0.026 | 0.031 | 0.037 | 0.042 | 0.048 | 0.053 | 0.059 | 0.064 | 0.070 |
| 14                                     |       |       |       | 0.035 | 0.042 | 0.049 | 0.056 | 0.064 | 0.071 | 0.079 | 0.086 | 0.094 |
| 16                                     |       |       |       |       | 0.054 | 0.063 | 0.073 | 0.082 | 0.092 | 0.102 | 0.111 | 0.121 |
| 18                                     |       |       |       |       | 0.068 | 0.079 | 0.091 | 0.103 | 0.115 | 0.127 | 0.139 | 0.151 |
| 20                                     |       |       |       |       |       | 0.097 | 0.112 | 0.126 | 0.141 | 0.155 | 0.170 | 0.185 |
| 22                                     |       |       |       |       |       | 0.116 | 0.134 | 0.151 | 0.169 | 0.186 | 0.204 | 0.222 |
| 24                                     |       |       |       |       |       |       | 0.158 | 0.179 | 0.199 | 0.220 | 0.241 | 0.262 |
| 26                                     |       |       |       |       |       |       | 0.184 | 0.208 | 0.232 | 0.257 | 0.281 | 0.305 |
| 28                                     |       |       |       |       |       |       |       | 0.240 | 0.268 | 0.296 | 0.324 | 0.352 |
| 30                                     |       |       |       |       |       |       |       | 0.274 | 0.305 | 0.337 | 0.369 | 0.401 |
| 32                                     |       |       |       |       |       |       |       |       | 0.345 | 0.381 | 0.418 | 0.454 |
| 34                                     |       |       |       |       |       |       |       |       | 0.388 | 0.428 | 0.469 | 0.510 |
| 36                                     |       |       |       |       |       |       |       |       |       | 0.478 | 0.523 | 0.568 |
| 38                                     |       |       |       |       |       |       |       |       |       | 0.530 | 0.580 | 0.630 |
| 40                                     |       |       |       |       |       |       |       |       |       |       | 0.639 | 0.695 |

续表10

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.020 | 0.022 | 0.023 |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.035 | 0.037 | 0.040 | 0.043 | 0.045 | 0.048 | 0.050 | 0.053 | 0.056 |       |       |       |
| 10                                        | 0.053 | 0.057 | 0.061 | 0.065 | 0.069 | 0.073 | 0.077 | 0.081 | 0.085 |       |       |       |
| 12                                        | 0.075 | 0.081 | 0.087 | 0.092 | 0.098 | 0.104 | 0.109 | 0.115 | 0.121 | 0.126 |       |       |
| 14                                        | 0.101 | 0.109 | 0.116 | 0.124 | 0.131 | 0.139 | 0.147 | 0.154 | 0.162 | 0.170 |       |       |
| 16                                        | 0.131 | 0.140 | 0.150 | 0.160 | 0.170 | 0.179 | 0.189 | 0.199 | 0.209 | 0.219 | 0.229 |       |
| 18                                        | 0.163 | 0.176 | 0.188 | 0.200 | 0.212 | 0.225 | 0.237 | 0.249 | 0.262 | 0.274 | 0.286 | 0.299 |
| 20                                        | 0.200 | 0.215 | 0.230 | 0.245 | 0.260 | 0.275 | 0.290 | 0.305 | 0.320 | 0.335 | 0.350 | 0.366 |
| 22                                        | 0.240 | 0.258 | 0.275 | 0.293 | 0.311 | 0.329 | 0.348 | 0.366 | 0.384 | 0.402 | 0.420 | 0.438 |
| 24                                        | 0.283 | 0.304 | 0.325 | 0.346 | 0.368 | 0.389 | 0.410 | 0.432 | 0.453 | 0.475 | 0.496 | 0.518 |
| 26                                        | 0.330 | 0.354 | 0.379 | 0.404 | 0.428 | 0.453 | 0.478 | 0.503 | 0.528 | 0.553 | 0.578 | 0.603 |
| 28                                        | 0.380 | 0.408 | 0.437 | 0.465 | 0.494 | 0.522 | 0.551 | 0.580 | 0.608 | 0.637 | 0.666 | 0.695 |
| 30                                        | 0.433 | 0.466 | 0.498 | 0.531 | 0.563 | 0.596 | 0.628 | 0.661 | 0.694 | 0.727 | 0.760 | 0.793 |
| 32                                        | 0.490 | 0.527 | 0.563 | 0.600 | 0.637 | 0.674 | 0.711 | 0.748 | 0.785 | 0.822 | 0.859 | 0.897 |
| 34                                        | 0.550 | 0.591 | 0.633 | 0.674 | 0.715 | 0.757 | 0.798 | 0.840 | 0.881 | 0.923 | 0.965 | 1.007 |
| 36                                        | 0.614 | 0.660 | 0.705 | 0.751 | 0.798 | 0.844 | 0.890 | 0.936 | 0.983 | 1.030 | 1.076 | 1.123 |
| 38                                        | 0.681 | 0.731 | 0.782 | 0.833 | 0.884 | 0.936 | 0.987 | 1.038 | 1.090 | 1.141 | 1.193 | 1.245 |
| 40                                        | 0.751 | 0.807 | 0.863 | 0.919 | 0.975 | 1.032 | 1.088 | 1.145 | 1.202 | 1.259 | 1.316 | 1.373 |

续表10

| $V \backslash H$<br>$D$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 12                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 14                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 16                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 18                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 20                      | 0.381 |       |       |       |       |       |       |       |       |       |  |  |
| 22                      | 0.457 | 0.475 |       |       |       |       |       |       |       |       |  |  |
| 24                      | 0.539 | 0.561 | 0.583 |       |       |       |       |       |       |       |  |  |
| 26                      | 0.628 | 0.654 | 0.679 | 0.704 |       |       |       |       |       |       |  |  |
| 28                      | 0.724 | 0.753 | 0.782 | 0.811 | 0.840 |       |       |       |       |       |  |  |
| 30                      | 0.826 | 0.859 | 0.892 | 0.925 | 0.959 | 0.992 |       |       |       |       |  |  |
| 32                      | 0.934 | 0.972 | 1.009 | 1.047 | 1.084 | 1.122 | 1.160 |       |       |       |  |  |
| 34                      | 1.049 | 1.091 | 1.133 | 1.175 | 1.217 | 1.260 | 1.302 | 1.344 |       |       |  |  |
| 36                      | 1.170 | 1.217 | 1.264 | 1.311 | 1.358 | 1.405 | 1.452 | 1.499 | 1.547 |       |  |  |
| 38                      | 1.297 | 1.349 | 1.401 | 1.453 | 1.505 | 1.558 | 1.610 | 1.662 | 1.715 | 1.767 |  |  |
| 40                      | 1.430 | 1.488 | 1.545 | 1.603 | 1.660 | 1.718 | 1.776 | 1.833 | 1.891 | 1.949 |  |  |

续表10

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.702 | 0.763 | 0.824 | 0.885 | 0.947 | 1.009 | 1.071 | 1.133 | 1.195 | 1.257 | 1.319 | 1.382 |
| 44                                        | 0.767 | 0.834 | 0.901 | 0.968 | 1.035 | 1.102 | 1.170 | 1.238 | 1.306 | 1.374 | 1.442 | 1.510 |
| 46                                        | 0.835 | 0.908 | 0.980 | 1.053 | 1.127 | 1.200 | 1.274 | 1.347 | 1.421 | 1.495 | 1.570 | 1.644 |
| 48                                        | 0.906 | 0.984 | 1.063 | 1.143 | 1.222 | 1.302 | 1.381 | 1.461 | 1.542 | 1.622 | 1.703 | 1.783 |
| 50                                        | 0.979 | 1.064 | 1.150 | 1.235 | 1.321 | 1.407 | 1.493 | 1.580 | 1.667 | 1.753 | 1.841 | 1.928 |
| 52                                        | 1.055 | 1.147 | 1.239 | 1.331 | 1.424 | 1.517 | 1.610 | 1.703 | 1.796 | 1.890 | 1.984 | 2.078 |
| 54                                        | 1.134 | 1.233 | 1.332 | 1.431 | 1.530 | 1.630 | 1.730 | 1.830 | 1.930 | 2.031 | 2.132 | 2.233 |
| 56                                        | 1.216 | 1.321 | 1.427 | 1.534 | 1.640 | 1.747 | 1.854 | 1.962 | 2.069 | 2.177 | 2.285 | 2.393 |
| 58                                        |       | 1.413 | 1.526 | 1.640 | 1.754 | 1.868 | 1.983 | 2.098 | 2.213 | 2.328 | 2.444 | 2.559 |
| 60                                        |       | 1.507 | 1.628 | 1.750 | 1.871 | 1.993 | 2.115 | 2.238 | 2.361 | 2.484 | 2.607 | 2.730 |
| 62                                        |       | 1.605 | 1.733 | 1.863 | 1.992 | 2.122 | 2.252 | 2.382 | 2.513 | 2.644 | 2.775 | 2.907 |
| 64                                        |       | 1.705 | 1.842 | 1.979 | 2.117 | 2.254 | 2.393 | 2.531 | 2.670 | 2.809 | 2.949 | 3.089 |
| 66                                        |       | 1.808 | 1.953 | 2.099 | 2.245 | 2.391 | 2.538 | 2.685 | 2.832 | 2.979 | 3.127 | 3.275 |
| 68                                        |       | 1.914 | 2.068 | 2.222 | 2.376 | 2.531 | 2.686 | 2.842 | 2.998 | 3.154 | 3.311 | 3.468 |
| 70                                        |       | 2.023 | 2.185 | 2.348 | 2.512 | 2.675 | 2.839 | 3.004 | 3.169 | 3.334 | 3.499 | 3.665 |

续表10

| $V \backslash H$<br>$D$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 1.444 | 1.507 | 1.570 | 1.633 | 1.696 | 1.759 | 1.822 | 1.886 | 1.949 | 2.012 | 2.076 | 2.140 |
| 44                      | 1.579 | 1.647 | 1.716 | 1.785 | 1.854 | 1.923 | 1.992 | 2.061 | 2.130 | 2.199 | 2.269 | 2.338 |
| 46                      | 1.718 | 1.793 | 1.868 | 1.943 | 2.018 | 2.093 | 2.168 | 2.243 | 2.319 | 2.394 | 2.470 | 2.546 |
| 48                      | 1.864 | 1.945 | 2.026 | 2.107 | 2.189 | 2.270 | 2.352 | 2.433 | 2.515 | 2.597 | 2.679 | 2.761 |
| 50                      | 2.015 | 2.103 | 2.190 | 2.278 | 2.366 | 2.454 | 2.542 | 2.631 | 2.719 | 2.808 | 2.896 | 2.985 |
| 52                      | 2.172 | 2.266 | 2.361 | 2.455 | 2.550 | 2.645 | 2.740 | 2.835 | 2.930 | 3.026 | 3.121 | 3.217 |
| 54                      | 2.334 | 2.435 | 2.537 | 2.639 | 2.741 | 2.843 | 2.945 | 3.047 | 3.149 | 3.252 | 3.355 | 3.457 |
| 56                      | 2.502 | 2.611 | 2.719 | 2.828 | 2.938 | 3.047 | 3.156 | 3.266 | 3.376 | 3.486 | 3.596 | 3.706 |
| 58                      | 2.675 | 2.791 | 2.908 | 3.024 | 3.141 | 3.258 | 3.375 | 3.492 | 3.610 | 3.727 | 3.845 | 3.963 |
| 60                      | 2.854 | 2.978 | 3.102 | 3.227 | 3.351 | 3.476 | 3.601 | 3.726 | 3.851 | 3.977 | 4.102 | 4.228 |
| 62                      | 3.039 | 3.171 | 3.303 | 3.435 | 3.568 | 3.701 | 3.834 | 3.967 | 4.100 | 4.234 | 4.367 | 4.501 |
| 64                      | 3.229 | 3.369 | 3.509 | 3.650 | 3.791 | 3.932 | 4.073 | 4.215 | 4.356 | 4.498 | 4.640 | 4.782 |
| 66                      | 3.424 | 3.573 | 3.722 | 3.871 | 4.020 | 4.170 | 4.320 | 4.470 | 4.620 | 4.770 | 4.921 | 5.072 |
| 68                      | 3.625 | 3.782 | 3.940 | 4.098 | 4.256 | 4.414 | 4.573 | 4.732 | 4.891 | 5.050 | 5.210 | 5.369 |
| 70                      | 3.831 | 3.997 | 4.164 | 4.331 | 4.498 | 4.666 | 4.833 | 5.001 | 5.169 | 5.338 | 5.506 | 5.675 |

续表10

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72                                        | 2.306 | 2.478 | 2.650 | 2.823 | 2.996 | 3.170 | 3.344 | 3.518 | 3.693 | 3.868 | 4.043 |
| 74                                        | 2.430 | 2.611 | 2.793 | 2.975 | 3.157 | 3.340 | 3.523 | 3.707 | 3.891 | 4.075 | 4.260 |
| 76                                        | 2.557 | 2.748 | 2.939 | 3.130 | 3.322 | 3.514 | 3.707 | 3.901 | 4.094 | 4.288 | 4.482 |
| 78                                        | 2.687 | 2.887 | 3.088 | 3.289 | 3.491 | 3.693 | 3.896 | 4.099 | 4.302 | 4.506 | 4.710 |
| 80                                        | 2.820 | 3.030 | 3.241 | 3.452 | 3.664 | 3.876 | 4.089 | 4.302 | 4.515 | 4.729 | 4.944 |
| 82                                        | 2.956 | 3.177 | 3.397 | 3.619 | 3.841 | 4.063 | 4.286 | 4.510 | 4.733 | 4.958 | 5.182 |
| 84                                        | 3.096 | 3.326 | 3.557 | 3.789 | 4.022 | 4.255 | 4.488 | 4.722 | 4.956 | 5.191 | 5.426 |
| 86                                        | 3.238 | 3.479 | 3.721 | 3.963 | 4.206 | 4.450 | 4.694 | 4.939 | 5.184 | 5.430 | 5.676 |
| 88                                        | 3.383 | 3.635 | 3.888 | 4.141 | 4.395 | 4.650 | 4.905 | 5.161 | 5.417 | 5.673 | 5.930 |
| 90                                        | 3.531 | 3.795 | 4.058 | 4.323 | 4.588 | 4.854 | 5.120 | 5.387 | 5.654 | 5.922 | 6.191 |
| 92                                        | 3.683 | 3.957 | 4.232 | 4.508 | 4.785 | 5.062 | 5.339 | 5.618 | 5.897 | 6.176 | 6.456 |
| 94                                        | 3.837 | 4.123 | 4.410 | 4.697 | 4.985 | 5.274 | 5.563 | 5.853 | 6.144 | 6.435 | 6.726 |
| 96                                        | 3.995 | 4.292 | 4.591 | 4.890 | 5.190 | 5.490 | 5.791 | 6.093 | 6.396 | 6.699 | 7.002 |
| 98                                        | 4.155 | 4.465 | 4.775 | 5.086 | 5.398 | 5.711 | 6.024 | 6.338 | 6.653 | 6.968 | 7.284 |

续表10

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33     | 34     | 35     |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 72                                         | 4.218 | 4.394 | 4.570 | 4.747 | 4.923 | 5.100 | 5.278 | 5.455 | 5.633  | 5.810  | 5.989  |
| 74                                         | 4.445 | 4.630 | 4.816 | 5.002 | 5.188 | 5.374 | 5.561 | 5.748 | 5.935  | 6.123  | 6.310  |
| 76                                         | 4.677 | 4.872 | 5.067 | 5.263 | 5.459 | 5.655 | 5.852 | 6.048 | 6.245  | 6.442  | 6.640  |
| 78                                         | 4.915 | 5.120 | 5.325 | 5.531 | 5.736 | 5.943 | 6.149 | 6.356 | 6.563  | 6.770  | 6.977  |
| 80                                         | 5.158 | 5.373 | 5.589 | 5.805 | 6.021 | 6.237 | 6.454 | 6.671 | 6.888  | 7.105  | 7.323  |
| 82                                         | 5.407 | 5.633 | 5.859 | 6.085 | 6.311 | 6.538 | 6.765 | 6.993 | 7.220  | 7.448  | 7.677  |
| 84                                         | 5.662 | 5.898 | 6.135 | 6.371 | 6.608 | 6.846 | 7.084 | 7.322 | 7.560  | 7.799  | 8.038  |
| 86                                         | 5.922 | 6.169 | 6.416 | 6.664 | 6.912 | 7.161 | 7.409 | 7.658 | 7.908  | 8.157  | 8.407  |
| 88                                         | 6.188 | 6.446 | 6.704 | 6.963 | 7.222 | 7.482 | 7.742 | 8.002 | 8.263  | 8.524  | 8.785  |
| 90                                         | 6.459 | 6.729 | 6.998 | 7.268 | 7.539 | 7.810 | 8.081 | 8.353 | 8.625  | 8.897  | 9.170  |
| 92                                         | 6.736 | 7.017 | 7.298 | 7.580 | 7.862 | 8.145 | 8.428 | 8.811 | 8.995  | 9.279  | 9.563  |
| 94                                         | 7.019 | 7.311 | 7.604 | 7.898 | 8.192 | 8.486 | 8.781 | 9.076 | 9.372  | 9.668  | 9.964  |
| 96                                         | 7.306 | 7.611 | 7.916 | 8.222 | 8.528 | 8.834 | 9.141 | 9.448 | 9.756  | 10.064 | 10.373 |
| 98                                         | 7.600 | 7.917 | 8.234 | 8.552 | 8.870 | 9.189 | 9.508 | 9.828 | 10.148 | 10.468 | 10.789 |



## 十二、华北地区落叶松二元立木材积表

$$V = 0.000067770402 D^{1.8118141} H^{0.98045290}$$

表11

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |       |       |       |       |       |
| 4                                         |       | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 |       |       |       |       |
| 6                                         |       |       | 0.007 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.018 | 0.020 |       |       |
| 8                                         |       |       | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.025 | 0.028 | 0.031 | 0.034 | 0.036 |       |
| 10                                        |       |       |       | 0.021 | 0.025 | 0.030 | 0.034 | 0.038 | 0.042 | 0.046 | 0.050 | 0.054 | 0.058 |
| 12                                        |       |       |       |       | 0.035 | 0.041 | 0.047 | 0.053 | 0.058 | 0.064 | 0.070 | 0.076 | 0.081 |
| 14                                        |       |       |       |       | 0.047 | 0.054 | 0.062 | 0.070 | 0.077 | 0.085 | 0.092 | 0.100 | 0.107 |
| 16                                        |       |       |       |       |       | 0.069 | 0.079 | 0.089 | 0.098 | 0.108 | 0.118 | 0.127 | 0.137 |
| 18                                        |       |       |       |       |       | 0.086 | 0.098 | 0.110 | 0.122 | 0.134 | 0.146 | 0.158 | 0.169 |
| 20                                        |       |       |       |       |       |       | 0.118 | 0.133 | 0.147 | 0.162 | 0.176 | 0.191 | 0.205 |
| 22                                        |       |       |       |       |       |       |       | 0.158 | 0.175 | 0.192 | 0.210 | 0.227 | 0.244 |
| 24                                        |       |       |       |       |       |       |       | 0.185 | 0.205 | 0.225 | 0.245 | 0.265 | 0.285 |
| 26                                        |       |       |       |       |       |       |       |       | 0.237 | 0.260 | 0.284 | 0.307 | 0.330 |
| 28                                        |       |       |       |       |       |       |       |       |       | 0.298 | 0.324 | 0.351 | 0.377 |
| 30                                        |       |       |       |       |       |       |       |       |       | 0.338 | 0.368 | 0.398 | 0.428 |
| 32                                        |       |       |       |       |       |       |       |       |       |       | 0.413 | 0.449 | 0.481 |
| 34                                        |       |       |       |       |       |       |       |       |       |       | 0.461 | 0.499 | 0.536 |
| 36                                        |       |       |       |       |       |       |       |       |       |       |       | 0.553 | 0.595 |
| 38                                        |       |       |       |       |       |       |       |       |       |       |       | 0.610 | 0.656 |
| 40                                        |       |       |       |       |       |       |       |       |       |       |       |       | 0.720 |
| 42                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 44                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 46                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表 11

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.063 |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.087 | 0.093 | 0.098 |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.115 | 0.123 | 0.130 | 0.138 |       |       |       |       |       |       |       |       |
| 16                                        | 0.146 | 0.156 | 0.166 | 0.175 | 0.185 |       |       |       |       |       |       |       |
| 18                                        | 0.181 | 0.193 | 0.205 | 0.217 | 0.229 |       |       |       |       |       |       |       |
| 20                                        | 0.219 | 0.234 | 0.248 | 0.262 | 0.277 | 0.291 |       |       |       |       |       |       |
| 22                                        | 0.261 | 0.278 | 0.295 | 0.312 | 0.329 | 0.346 | 0.363 |       |       |       |       |       |
| 24                                        | 0.305 | 0.325 | 0.345 | 0.365 | 0.385 | 0.405 | 0.425 | 0.445 |       |       |       |       |
| 26                                        | 0.353 | 0.376 | 0.399 | 0.422 | 0.445 | 0.468 | 0.491 | 0.514 | 0.537 |       |       |       |
| 28                                        | 0.404 | 0.430 | 0.456 | 0.483 | 0.509 | 0.535 | 0.562 | 0.588 | 0.614 | 0.640 |       |       |
| 30                                        | 0.458 | 0.487 | 0.517 | 0.547 | 0.577 | 0.607 | 0.636 | 0.666 | 0.696 | 0.725 | 0.755 |       |
| 32                                        | 0.514 | 0.548 | 0.581 | 0.615 | 0.648 | 0.682 | 0.715 | 0.749 | 0.782 | 0.815 | 0.849 | 0.882 |
| 34                                        | 0.574 | 0.611 | 0.649 | 0.686 | 0.724 | 0.761 | 0.798 | 0.836 | 0.873 | 0.910 | 0.947 | 0.984 |
| 36                                        | 0.637 | 0.678 | 0.720 | 0.761 | 0.803 | 0.844 | 0.885 | 0.927 | 0.968 | 1.009 | 1.050 | 1.092 |
| 38                                        | 0.702 | 0.748 | 0.794 | 0.840 | 0.885 | 0.931 | 0.977 | 1.022 | 1.068 | 1.113 | 1.159 | 1.204 |
| 40                                        | 0.771 | 0.820 | 0.871 | 0.921 | 0.971 | 1.022 | 1.072 | 1.122 | 1.172 | 1.222 | 1.271 | 1.321 |
| 42                                        | 0.842 | 0.897 | 0.952 | 1.006 | 1.061 | 1.116 | 1.171 | 1.225 | 1.280 | 1.334 | 1.389 | 1.443 |
| 44                                        | 0.916 | 0.976 | 1.035 | 1.095 | 1.155 | 1.214 | 1.274 | 1.333 | 1.392 | 1.452 | 1.511 | 1.570 |
| 46                                        | 0.993 | 1.057 | 1.122 | 1.187 | 1.251 | 1.316 | 1.380 | 1.445 | 1.509 | 1.574 | 1.638 | 1.702 |

## 十三、华北地区落叶松人工林二元立木材积表

$$V = 0.000053403288 D^{1.8080721} H^{1.0724207}$$

表12

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 |       |       |       |       |
| 6                                      | 0.003 | 0.004 | 0.006 | 0.008 | 0.009 | 0.011 | 0.013 | 0.014 | 0.016 | 0.018 | 0.020 | 0.021 | 0.023 |
| 8                                      | 0.005 | 0.007 | 0.010 | 0.013 | 0.016 | 0.018 | 0.021 | 0.024 | 0.027 | 0.030 | 0.033 | 0.036 | 0.039 |
| 10                                     |       | 0.011 | 0.015 | 0.019 | 0.023 | 0.028 | 0.032 | 0.036 | 0.041 | 0.045 | 0.049 | 0.054 | 0.058 |
| 12                                     |       | 0.016 | 0.021 | 0.027 | 0.033 | 0.038 | 0.044 | 0.050 | 0.056 | 0.062 | 0.069 | 0.075 | 0.081 |
| 14                                     |       |       | 0.028 | 0.035 | 0.043 | 0.051 | 0.059 | 0.067 | 0.075 | 0.083 | 0.091 | 0.099 | 0.107 |
| 16                                     |       |       |       | 0.045 | 0.055 | 0.065 | 0.075 | 0.085 | 0.095 | 0.105 | 0.115 | 0.126 | 0.136 |
| 18                                     |       |       |       |       | 0.068 | 0.080 | 0.092 | 0.105 | 0.117 | 0.130 | 0.143 | 0.156 | 0.168 |
| 20                                     |       |       |       |       |       | 0.097 | 0.112 | 0.127 | 0.142 | 0.157 | 0.173 | 0.188 | 0.204 |
| 22                                     |       |       |       |       |       |       | 0.133 | 0.151 | 0.169 | 0.187 | 0.205 | 0.224 | 0.242 |
| 24                                     |       |       |       |       |       |       |       | 0.176 | 0.197 | 0.219 | 0.240 | 0.262 | 0.283 |
| 26                                     |       |       |       |       |       |       |       |       | 0.228 | 0.253 | 0.278 | 0.302 | 0.327 |
| 28                                     |       |       |       |       |       |       |       |       |       | 0.289 | 0.317 | 0.346 | 0.374 |
| 30                                     |       |       |       |       |       |       |       |       |       |       | 0.359 | 0.392 | 0.424 |

续表12

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |  |  |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                                                 |       |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                                                 |       |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                                                 |       |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                                                 | 0.042 | 0.045 | 0.048 | 0.051 |       |       |       |       |       |       |       |  |  |
| 10                                                | 0.063 | 0.067 | 0.072 | 0.076 | 0.081 |       |       |       |       |       |       |  |  |
| 12                                                | 0.087 | 0.093 | 0.100 | 0.106 | 0.112 | 0.119 |       |       |       |       |       |  |  |
| 14                                                | 0.115 | 0.123 | 0.132 | 0.140 | 0.148 | 0.157 | 0.165 |       |       |       |       |  |  |
| 16                                                | 0.147 | 0.157 | 0.168 | 0.178 | 0.189 | 0.200 | 0.210 | 0.221 |       |       |       |  |  |
| 18                                                | 0.181 | 0.194 | 0.207 | 0.220 | 0.234 | 0.247 | 0.260 | 0.273 | 0.287 | 0.300 | 0.314 |  |  |
| 20                                                | 0.219 | 0.235 | 0.251 | 0.267 | 0.283 | 0.299 | 0.315 | 0.331 | 0.347 | 0.363 | 0.379 |  |  |
| 22                                                | 0.261 | 0.279 | 0.298 | 0.317 | 0.336 | 0.355 | 0.374 | 0.393 | 0.412 | 0.431 | 0.451 |  |  |
| 24                                                | 0.305 | 0.327 | 0.349 | 0.371 | 0.393 | 0.415 | 0.438 | 0.460 | 0.482 | 0.505 | 0.528 |  |  |
| 26                                                | 0.353 | 0.378 | 0.403 | 0.429 | 0.454 | 0.480 | 0.506 | 0.532 | 0.558 | 0.584 | 0.610 |  |  |
| 28                                                | 0.403 | 0.432 | 0.461 | 0.490 | 0.519 | 0.549 | 0.578 | 0.608 | 0.637 | 0.667 | 0.697 |  |  |
| 30                                                | 0.457 | 0.489 | 0.522 | 0.555 | 0.588 | 0.622 | 0.655 | 0.689 | 0.722 | 0.756 | 0.790 |  |  |

## 十四、华北地区松类人工林二元立木材积表

$$V = 0.000076051908 D^{1.9030339} H^{0.86055052}$$

表13

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |       |       |       |       |
| 4                                      | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 | 0.010 |       |       |       |
| 6                                      | 0.004 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.020 | 0.021 | 0.022 | 0.024 | 0.025 |
| 8                                      | 0.007 | 0.010 | 0.013 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.034 | 0.036 | 0.039 | 0.041 | 0.043 |
| 10                                     | 0.011 | 0.016 | 0.020 | 0.024 | 0.028 | 0.032 | 0.036 | 0.040 | 0.044 | 0.048 | 0.052 | 0.055 | 0.059 | 0.063 | 0.066 |
| 12                                     | 0.016 | 0.022 | 0.028 | 0.034 | 0.040 | 0.046 | 0.052 | 0.057 | 0.062 | 0.068 | 0.073 | 0.078 | 0.083 | 0.088 | 0.094 |
| 14                                     |       | 0.030 | 0.038 | 0.046 | 0.054 | 0.062 | 0.069 | 0.076 | 0.084 | 0.091 | 0.098 | 0.105 | 0.112 | 0.119 | 0.125 |
| 16                                     |       | 0.038 | 0.049 | 0.059 | 0.070 | 0.079 | 0.089 | 0.099 | 0.108 | 0.117 | 0.126 | 0.135 | 0.144 | 0.153 | 0.162 |
| 18                                     |       |       | 0.061 | 0.074 | 0.087 | 0.099 | 0.111 | 0.123 | 0.135 | 0.147 | 0.158 | 0.169 | 0.180 | 0.191 | 0.202 |
| 20                                     |       |       | 0.075 | 0.091 | 0.106 | 0.121 | 0.136 | 0.151 | 0.165 | 0.179 | 0.193 | 0.207 | 0.220 | 0.234 | 0.247 |
| 22                                     |       |       |       | 0.109 | 0.127 | 0.146 | 0.163 | 0.181 | 0.198 | 0.215 | 0.231 | 0.248 | 0.264 | 0.280 | 0.296 |
| 24                                     |       |       |       | 0.129 | 0.150 | 0.172 | 0.193 | 0.213 | 0.233 | 0.253 | 0.273 | 0.293 | 0.312 | 0.331 | 0.350 |
| 26                                     |       |       |       |       | 0.175 | 0.200 | 0.224 | 0.248 | 0.272 | 0.295 | 0.318 | 0.341 | 0.363 | 0.385 | 0.407 |
| 28                                     |       |       |       |       | 0.202 | 0.230 | 0.258 | 0.286 | 0.313 | 0.340 | 0.366 | 0.392 | 0.418 | 0.444 | 0.469 |
| 30                                     |       |       |       |       |       | 0.263 | 0.295 | 0.326 | 0.357 | 0.388 | 0.418 | 0.447 | 0.477 | 0.506 | 0.535 |
| 32                                     |       |       |       |       |       | 0.297 | 0.333 | 0.369 | 0.404 | 0.438 | 0.472 | 0.506 | 0.539 | 0.572 | 0.605 |
| 34                                     |       |       |       |       |       |       | 0.374 | 0.414 | 0.453 | 0.492 | 0.530 | 0.568 | 0.605 | 0.642 | 0.679 |
| 36                                     |       |       |       |       |       |       |       | 0.461 | 0.505 | 0.548 | 0.591 | 0.633 | 0.675 | 0.716 | 0.757 |
| 38                                     |       |       |       |       |       |       |       |       | 0.560 | 0.608 | 0.655 | 0.702 | 0.748 | 0.794 | 0.839 |
| 40                                     |       |       |       |       |       |       |       |       |       | 0.670 | 0.722 | 0.774 | 0.824 | 0.875 | 0.925 |

续表13

| D \ V \ H |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
| 2         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10        | 0.070 | 0.073 |       |       |       |       |       |       |       |       |       |       |       |       |
| 12        | 0.099 | 0.104 |       |       |       |       |       |       |       |       |       |       |       |       |
| 14        | 0.132 | 0.139 | 0.145 | 0.152 |       |       |       |       |       |       |       |       |       |       |
| 16        | 0.170 | 0.179 | 0.188 | 0.196 |       |       |       |       |       |       |       |       |       |       |
| 18        | 0.213 | 0.224 | 0.235 | 0.245 | 0.256 | 0.266 |       |       |       |       |       |       |       |       |
| 20        | 0.261 | 0.274 | 0.287 | 0.300 | 0.313 | 0.325 |       |       |       |       |       |       |       |       |
| 22        | 0.312 | 0.328 | 0.344 | 0.359 | 0.375 | 0.390 | 0.405 | 0.420 |       |       |       |       |       |       |
| 24        | 0.369 | 0.387 | 0.406 | 0.424 | 0.442 | 0.460 | 0.478 | 0.496 |       |       |       |       |       |       |
| 26        | 0.429 | 0.451 | 0.472 | 0.494 | 0.515 | 0.536 | 0.557 | 0.578 | 0.598 | 0.619 |       |       |       |       |
| 28        | 0.494 | 0.519 | 0.544 | 0.568 | 0.593 | 0.617 | 0.641 | 0.665 | 0.689 | 0.712 |       |       |       |       |
| 30        | 0.564 | 0.592 | 0.620 | 0.648 | 0.676 | 0.704 | 0.731 | 0.758 | 0.785 | 0.812 | 0.839 | 0.866 |       |       |
| 32        | 0.637 | 0.669 | 0.701 | 0.733 | 0.764 | 0.796 | 0.827 | 0.857 | 0.888 | 0.919 | 0.949 | 0.979 |       |       |
| 34        | 0.715 | 0.751 | 0.787 | 0.823 | 0.858 | 0.893 | 0.928 | 0.962 | 0.997 | 1.031 | 1.065 | 1.099 | 1.132 | 1.166 |
| 36        | 0.797 | 0.838 | 0.877 | 0.917 | 0.956 | 0.995 | 1.034 | 1.073 | 1.111 | 1.149 | 1.187 | 1.225 | 1.263 | 1.300 |
| 38        | 0.884 | 0.928 | 0.973 | 1.016 | 1.060 | 1.103 | 1.146 | 1.189 | 1.232 | 1.274 | 1.316 | 1.358 | 1.399 | 1.441 |
| 40        | 0.974 | 1.024 | 1.072 | 1.121 | 1.169 | 1.216 | 1.264 | 1.311 | 1.358 | 1.405 | 1.451 | 1.497 | 1.543 | 1.589 |

## 十五、华北地区云杉二元立木材积表

$$V = 0.000073960620 D^{1.8507470} H^{0.02235557}$$

表14

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |       |       |       |       |
| 6                                      | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.019 | 0.020 | 0.022 |       |
| 8                                      |       | 0.010 | 0.012 | 0.015 | 0.018 | 0.021 | 0.024 | 0.026 | 0.029 | 0.032 | 0.034 | 0.037 | 0.040 |
| 10                                     |       | 0.014 | 0.019 | 0.023 | 0.027 | 0.032 | 0.036 | 0.040 | 0.044 | 0.048 | 0.052 | 0.056 | 0.060 |
| 12                                     |       |       | 0.026 | 0.032 | 0.038 | 0.044 | 0.050 | 0.056 | 0.061 | 0.067 | 0.073 | 0.078 | 0.084 |
| 14                                     |       |       | 0.035 | 0.043 | 0.051 | 0.059 | 0.067 | 0.074 | 0.082 | 0.089 | 0.097 | 0.104 | 0.112 |
| 16                                     |       |       |       | 0.055 | 0.065 | 0.075 | 0.085 | 0.095 | 0.105 | 0.114 | 0.124 | 0.133 | 0.143 |
| 18                                     |       |       |       | 0.069 | 0.081 | 0.094 | 0.106 | 0.118 | 0.130 | 0.142 | 0.154 | 0.166 | 0.178 |
| 20                                     |       |       |       |       | 0.099 | 0.114 | 0.129 | 0.144 | 0.158 | 0.173 | 0.187 | 0.202 | 0.216 |
| 22                                     |       |       |       |       | 0.118 | 0.136 | 0.154 | 0.171 | 0.189 | 0.206 | 0.223 | 0.240 | 0.257 |
| 24                                     |       |       |       |       |       | 0.160 | 0.180 | 0.201 | 0.222 | 0.242 | 0.262 | 0.282 | 0.302 |
| 26                                     |       |       |       |       |       | 0.185 | 0.209 | 0.233 | 0.257 | 0.281 | 0.304 | 0.327 | 0.351 |
| 28                                     |       |       |       |       |       |       | 0.240 | 0.268 | 0.295 | 0.322 | 0.349 | 0.376 | 0.402 |
| 30                                     |       |       |       |       |       |       | 0.273 | 0.304 | 0.335 | 0.366 | 0.396 | 0.427 | 0.457 |
| 32                                     |       |       |       |       |       |       |       | 0.343 | 0.378 | 0.412 | 0.447 | 0.481 | 0.515 |
| 34                                     |       |       |       |       |       |       |       | 0.383 | 0.422 | 0.461 | 0.500 | 0.538 | 0.576 |
| 36                                     |       |       |       |       |       |       |       |       | 0.470 | 0.513 | 0.556 | 0.598 | 0.640 |

续表14

| $V \backslash D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                | 0.042 | 0.045 |       |       |       |       |       |       |       |       |       |       |
| 10               | 0.064 | 0.068 | 0.072 | 0.075 |       |       |       |       |       |       |       |       |
| 12               | 0.089 | 0.095 | 0.100 | 0.106 | 0.111 |       |       |       |       |       |       |       |
| 14               | 0.119 | 0.126 | 0.133 | 0.141 | 0.148 | 0.155 |       |       |       |       |       |       |
| 16               | 0.152 | 0.161 | 0.171 | 0.180 | 0.189 | 0.198 |       |       |       |       |       |       |
| 18               | 0.189 | 0.201 | 0.212 | 0.224 | 0.235 | 0.247 | 0.258 |       |       |       |       |       |
| 20               | 0.230 | 0.244 | 0.258 | 0.272 | 0.286 | 0.300 | 0.314 |       |       |       |       |       |
| 22               | 0.274 | 0.291 | 0.308 | 0.325 | 0.341 | 0.358 | 0.374 | 0.391 |       |       |       |       |
| 24               | 0.322 | 0.342 | 0.362 | 0.381 | 0.401 | 0.420 | 0.440 | 0.459 |       |       |       |       |
| 26               | 0.374 | 0.397 | 0.419 | 0.442 | 0.465 | 0.487 | 0.510 | 0.532 | 0.554 |       |       |       |
| 28               | 0.429 | 0.455 | 0.481 | 0.507 | 0.533 | 0.559 | 0.585 | 0.610 | 0.636 | 0.661 |       |       |
| 30               | 0.487 | 0.517 | 0.547 | 0.576 | 0.606 | 0.635 | 0.664 | 0.693 | 0.722 | 0.751 |       |       |
| 32               | 0.549 | 0.582 | 0.616 | 0.649 | 0.683 | 0.716 | 0.749 | 0.781 | 0.814 | 0.847 | 0.879 |       |
| 34               | 0.614 | 0.652 | 0.689 | 0.726 | 0.764 | 0.801 | 0.837 | 0.874 | 0.911 | 0.947 | 0.984 |       |
| 36               | 0.682 | 0.724 | 0.766 | 0.807 | 0.849 | 0.890 | 0.931 | 0.972 | 1.012 | 1.053 | 1.093 | 1.134 |



## 十六、华北地区侧柏二元立木材积表

$$V = 0.000091972184 D^{1.8639778} H^{0.83158779}$$

表 15

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4          |     | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 |       |
| 6          |     |       | 0.006 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 |
| 8          |     |       | 0.011 | 0.014 | 0.017 | 0.020 | 0.022 | 0.025 | 0.028 | 0.030 | 0.033 |
| 10         |     |       | 0.017 | 0.021 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.046 | 0.049 |
| 12         |     |       |       | 0.030 | 0.036 | 0.042 | 0.048 | 0.053 | 0.059 | 0.064 | 0.069 |
| 14         |     |       |       | 0.040 | 0.048 | 0.056 | 0.063 | 0.071 | 0.078 | 0.085 | 0.092 |
| 16         |     |       |       | 0.051 | 0.062 | 0.072 | 0.081 | 0.091 | 0.100 | 0.110 | 0.119 |
| 18         |     |       |       |       | 0.077 | 0.089 | 0.101 | 0.113 | 0.125 | 0.136 | 0.148 |
| 20         |     |       |       |       | 0.093 | 0.109 | 0.123 | 0.138 | 0.152 | 0.166 | 0.180 |
| 22         |     |       |       |       | 0.111 | 0.130 | 0.147 | 0.165 | 0.182 | 0.198 | 0.215 |
| 24         |     |       |       |       | 0.131 | 0.153 | 0.173 | 0.194 | 0.214 | 0.233 | 0.253 |
| 26         |     |       |       |       |       |       |       | 0.225 | 0.248 | 0.271 | 0.293 |
| 28         |     |       |       |       |       |       |       | 0.258 | 0.285 | 0.311 | 0.337 |
| 30         |     |       |       |       |       |       |       | 0.294 | 0.324 | 0.354 | 0.383 |
| 32         |     |       |       |       |       |       |       |       |       | 0.399 | 0.432 |
| 34         |     |       |       |       |       |       |       |       |       | 0.447 | 0.483 |

续表15

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 2                                         |       |       |       |       |       |       |       |       |       |  |
| 4                                         |       |       |       |       |       |       |       |       |       |  |
| 6                                         | 0.020 |       |       |       |       |       |       |       |       |  |
| 8                                         | 0.035 | 0.037 | 0.040 |       |       |       |       |       |       |  |
| 10                                        | 0.053 | 0.057 | 0.060 | 0.064 |       |       |       |       |       |  |
| 12                                        | 0.075 | 0.080 | 0.085 | 0.090 | 0.095 |       |       |       |       |  |
| 14                                        | 0.099 | 0.106 | 0.113 | 0.120 | 0.126 | 0.133 |       |       |       |  |
| 16                                        | 0.128 | 0.136 | 0.145 | 0.154 | 0.162 | 0.170 | 0.179 |       |       |  |
| 18                                        | 0.159 | 0.170 | 0.181 | 0.191 | 0.202 | 0.212 | 0.222 | 0.233 |       |  |
| 20                                        | 0.193 | 0.207 | 0.220 | 0.233 | 0.246 | 0.258 | 0.271 | 0.283 | 0.296 |  |
| 22                                        | 0.231 | 0.247 | 0.262 | 0.278 | 0.293 | 0.308 | 0.323 | 0.338 | 0.353 |  |
| 24                                        | 0.271 | 0.290 | 0.309 | 0.327 | 0.345 | 0.363 | 0.380 | 0.398 | 0.415 |  |
| 26                                        | 0.315 | 0.337 | 0.358 | 0.379 | 0.400 | 0.421 | 0.442 | 0.462 | 0.482 |  |
| 28                                        | 0.362 | 0.387 | 0.411 | 0.436 | 0.460 | 0.483 | 0.507 | 0.530 | 0.553 |  |
| 30                                        | 0.412 | 0.440 | 0.468 | 0.495 | 0.523 | 0.550 | 0.577 | 0.603 | 0.629 |  |
| 32                                        | 0.464 | 0.496 | 0.528 | 0.559 | 0.590 | 0.620 | 0.650 | 0.680 | 0.710 |  |
| 34                                        | 0.520 | 0.555 | 0.591 | 0.626 | 0.660 | 0.694 | 0.728 | 0.761 | 0.795 |  |

## 十七、华北地区山杨二元立木材积表

$$V = 0.000065678245 D^{1.8410828} H^{0.84929086}$$

表 16

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 |       |       |       |       |       |
| 6                                      | 0.004 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.020 |       |       |
| 8                                      |       | 0.009 | 0.012 | 0.015 | 0.017 | 0.019 | 0.022 | 0.024 | 0.026 | 0.028 | 0.031 | 0.033 | 0.035 | 0.037 | 0.039 |
| 10                                     |       | 0.015 | 0.019 | 0.022 | 0.026 | 0.030 | 0.034 | 0.037 | 0.041 | 0.044 | 0.047 | 0.051 | 0.054 | 0.057 | 0.060 |
| 12                                     |       |       | 0.027 | 0.032 | 0.037 | 0.043 | 0.048 | 0.053 | 0.058 | 0.063 | 0.067 | 0.072 | 0.077 | 0.081 | 0.086 |
| 14                                     |       |       | 0.036 | 0.043 | 0.050 | 0.058 | 0.064 | 0.071 | 0.078 | 0.084 | 0.091 | 0.097 | 0.104 | 0.110 | 0.116 |
| 16                                     |       |       |       | 0.056 | 0.065 | 0.075 | 0.083 | 0.092 | 0.101 | 0.109 | 0.118 | 0.126 | 0.134 | 0.142 | 0.150 |
| 18                                     |       |       |       | 0.070 | 0.082 | 0.094 | 0.105 | 0.116 | 0.127 | 0.138 | 0.148 | 0.159 | 0.169 | 0.179 | 0.189 |
| 20                                     |       |       |       |       | 0.101 | 0.115 | 0.129 | 0.142 | 0.156 | 0.169 | 0.182 | 0.194 | 0.207 | 0.220 | 0.232 |
| 22                                     |       |       |       |       | 0.121 | 0.138 | 0.155 | 0.171 | 0.187 | 0.203 | 0.219 | 0.234 | 0.249 | 0.264 | 0.279 |
| 24                                     |       |       |       |       |       | 0.164 | 0.183 | 0.203 | 0.222 | 0.240 | 0.259 | 0.277 | 0.295 | 0.313 | 0.330 |
| 26                                     |       |       |       |       |       | 0.191 | 0.214 | 0.237 | 0.259 | 0.281 | 0.302 | 0.324 | 0.345 | 0.365 | 0.386 |
| 28                                     |       |       |       |       |       |       | 0.247 | 0.273 | 0.299 | 0.324 | 0.349 | 0.374 | 0.398 | 0.422 | 0.446 |
| 30                                     |       |       |       |       |       |       |       | 0.313 | 0.342 | 0.371 | 0.399 | 0.427 | 0.455 | 0.482 | 0.510 |
| 32                                     |       |       |       |       |       |       |       | 0.354 | 0.388 | 0.420 | 0.452 | 0.484 | 0.516 | 0.547 | 0.578 |
| 34                                     |       |       |       |       |       |       |       |       | 0.436 | 0.473 | 0.509 | 0.545 | 0.580 | 0.615 | 0.650 |
| 36                                     |       |       |       |       |       |       |       |       | 0.487 | 0.528 | 0.569 | 0.609 | 0.648 | 0.687 | 0.726 |
| 38                                     |       |       |       |       |       |       |       |       |       | 0.587 | 0.632 | 0.676 | 0.720 | 0.763 | 0.806 |
| 40                                     |       |       |       |       |       |       |       |       |       | 0.648 | 0.698 | 0.747 | 0.795 | 0.843 | 0.891 |
| 42                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.979 |
| 44                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.072 |
| 46                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.168 |

续表16

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.041 | 0.043 | 0.045 |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.064 | 0.067 | 0.070 | 0.073 | 0.076 |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.091 | 0.095 | 0.100 | 0.104 | 0.108 | 0.113 |       |       |       |       |       |       |       |       |
| 14                                        | 0.122 | 0.128 | 0.134 | 0.140 | 0.146 | 0.152 | 0.158 |       |       |       |       |       |       |       |
| 16                                        | 0.158 | 0.166 | 0.174 | 0.182 | 0.190 | 0.197 | 0.205 | 0.212 |       |       |       |       |       |       |
| 18                                        | 0.199 | 0.209 | 0.219 | 0.229 | 0.238 | 0.248 | 0.257 | 0.267 | 0.276 |       |       |       |       |       |
| 20                                        | 0.244 | 0.256 | 0.268 | 0.280 | 0.292 | 0.304 | 0.316 | 0.327 | 0.339 | 0.350 |       |       |       |       |
| 22                                        | 0.294 | 0.308 | 0.323 | 0.337 | 0.352 | 0.366 | 0.380 | 0.394 | 0.408 | 0.422 | 0.435 |       |       |       |
| 24                                        | 0.348 | 0.365 | 0.382 | 0.399 | 0.416 | 0.433 | 0.450 | 0.466 | 0.483 | 0.499 | 0.515 | 0.532 |       |       |
| 26                                        | 0.406 | 0.427 | 0.447 | 0.467 | 0.486 | 0.506 | 0.525 | 0.545 | 0.564 | 0.583 | 0.602 | 0.621 |       |       |
| 28                                        | 0.469 | 0.493 | 0.516 | 0.539 | 0.562 | 0.586 | 0.607 | 0.629 | 0.651 | 0.673 | 0.695 | 0.717 | 0.739 |       |
| 30                                        | 0.537 | 0.563 | 0.590 | 0.616 | 0.642 | 0.668 | 0.694 | 0.719 | 0.744 | 0.770 | 0.795 | 0.820 | 0.845 |       |
| 32                                        | 0.608 | 0.638 | 0.668 | 0.698 | 0.728 | 0.757 | 0.786 | 0.815 | 0.844 | 0.872 | 0.901 | 0.929 | 0.957 | 0.985 |
| 34                                        | 0.684 | 0.718 | 0.752 | 0.785 | 0.819 | 0.852 | 0.884 | 0.917 | 0.949 | 0.981 | 1.013 | 1.045 | 1.077 | 1.108 |
| 36                                        | 0.764 | 0.802 | 0.840 | 0.878 | 0.915 | 0.952 | 0.988 | 1.024 | 1.061 | 1.097 | 1.132 | 1.168 | 1.203 | 1.238 |
| 38                                        | 0.849 | 0.891 | 0.933 | 0.975 | 1.016 | 1.057 | 1.097 | 1.138 | 1.178 | 1.218 | 1.258 | 1.297 | 1.336 | 1.375 |
| 40                                        | 0.938 | 0.984 | 1.031 | 1.077 | 1.122 | 1.167 | 1.212 | 1.257 | 1.301 | 1.345 | 1.389 | 1.433 | 1.476 | 1.519 |
| 42                                        | 1.031 | 1.082 | 1.133 | 1.184 | 1.234 | 1.283 | 1.333 | 1.382 | 1.431 | 1.479 | 1.527 | 1.575 | 1.623 | 1.670 |
| 44                                        | 1.128 | 1.185 | 1.240 | 1.295 | 1.350 | 1.405 | 1.459 | 1.512 | 1.566 | 1.619 | 1.672 | 1.724 | 1.776 | 1.828 |
| 46                                        | 1.230 | 1.291 | 1.352 | 1.412 | 1.472 | 1.531 | 1.590 | 1.649 | 1.707 | 1.765 | 1.822 | 1.879 | 1.936 | 1.993 |

## 十八、华北地区桦木二元立木材积表

$$V = 0.000062324282 D^{1.8255808} H^{0.97749302}$$

表17

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                 | 0.000 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4                                                 | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 |       |       |
| 6                                                 | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 |
| 8                                                 |       | 0.008 | 0.011 | 0.013 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 |
| 10                                                |       | 0.012 | 0.016 | 0.020 | 0.024 | 0.028 | 0.032 | 0.036 | 0.040 | 0.043 | 0.047 |
| 12                                                |       |       | 0.023 | 0.028 | 0.034 | 0.039 | 0.044 | 0.050 | 0.055 | 0.061 | 0.066 |
| 14                                                |       |       | 0.030 | 0.037 | 0.044 | 0.052 | 0.059 | 0.066 | 0.073 | 0.080 | 0.087 |
| 16                                                |       |       |       | 0.047 | 0.057 | 0.066 | 0.075 | 0.084 | 0.093 | 0.103 | 0.112 |
| 18                                                |       |       |       |       | 0.070 | 0.082 | 0.093 | 0.104 | 0.116 | 0.127 | 0.138 |
| 20                                                |       |       |       |       |       | 0.099 | 0.113 | 0.127 | 0.140 | 0.154 | 0.168 |
| 22                                                |       |       |       |       |       |       | 0.134 | 0.151 | 0.167 | 0.183 | 0.200 |
| 24                                                |       |       |       |       |       |       | 0.157 | 0.177 | 0.196 | 0.215 | 0.234 |
| 26                                                |       |       |       |       |       |       |       | 0.204 | 0.227 | 0.249 | 0.271 |
| 28                                                |       |       |       |       |       |       |       |       | 0.259 | 0.285 | 0.310 |
| 30                                                |       |       |       |       |       |       |       |       | 0.294 | 0.323 | 0.352 |
| 32                                                |       |       |       |       |       |       |       |       |       | 0.363 | 0.396 |
| 34                                                |       |       |       |       |       |       |       |       |       |       | 0.442 |
| 36                                                |       |       |       |       |       |       |       |       |       |       |       |

续表17

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 2                                         |       |       |       |       |       |       |       |       |       |       |  |
| 4                                         |       |       |       |       |       |       |       |       |       |       |  |
| 6                                         |       |       |       |       |       |       |       |       |       |       |  |
| 8                                         | 0.034 | 0.037 | 0.039 | 0.042 |       |       |       |       |       |       |  |
| 10                                        | 0.051 | 0.055 | 0.059 | 0.063 | 0.067 |       |       |       |       |       |  |
| 12                                        | 0.071 | 0.077 | 0.082 | 0.087 | 0.093 | 0.098 |       |       |       |       |  |
| 14                                        | 0.095 | 0.102 | 0.109 | 0.116 | 0.123 | 0.130 | 0.137 |       |       |       |  |
| 16                                        | 0.121 | 0.130 | 0.139 | 0.148 | 0.157 | 0.166 | 0.175 | 0.184 |       |       |  |
| 18                                        | 0.150 | 0.161 | 0.172 | 0.183 | 0.195 | 0.206 | 0.217 | 0.228 |       |       |  |
| 20                                        | 0.181 | 0.195 | 0.209 | 0.222 | 0.236 | 0.249 | 0.263 | 0.276 | 0.290 |       |  |
| 22                                        | 0.216 | 0.232 | 0.248 | 0.264 | 0.281 | 0.297 | 0.313 | 0.329 | 0.345 |       |  |
| 24                                        | 0.253 | 0.272 | 0.291 | 0.310 | 0.329 | 0.348 | 0.367 | 0.386 | 0.404 |       |  |
| 26                                        | 0.293 | 0.315 | 0.337 | 0.359 | 0.381 | 0.403 | 0.424 | 0.446 | 0.468 | 0.490 |  |
| 28                                        | 0.335 | 0.360 | 0.386 | 0.411 | 0.436 | 0.461 | 0.486 | 0.511 | 0.536 | 0.561 |  |
| 30                                        | 0.380 | 0.409 | 0.437 | 0.466 | 0.494 | 0.523 | 0.551 | 0.579 | 0.608 | 0.636 |  |
| 32                                        | 0.428 | 0.460 | 0.492 | 0.524 | 0.556 | 0.588 | 0.620 | 0.652 | 0.684 | 0.716 |  |
| 34                                        | 0.478 | 0.514 | 0.550 | 0.585 | 0.621 | 0.657 | 0.693 | 0.728 | 0.764 | 0.799 |  |
| 36                                        | 0.531 | 0.570 | 0.610 | 0.650 | 0.690 | 0.729 | 0.769 | 0.808 | 0.848 | 0.887 |  |

## 十九、华北地区刺槐二元立木材积表

$$V = 0.000071182290 D^{1.9414874} H^{0.81487080}$$

表 18

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |
| 4                                         | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 |
| 6                                         | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.011 | 0.013 | 0.014 | 0.015 | 0.016 | 0.017 | 0.019 |
| 8                                         | 0.007 | 0.010 | 0.012 | 0.015 | 0.017 | 0.020 | 0.022 | 0.024 | 0.026 | 0.028 | 0.031 | 0.033 |
| 10                                        |       | 0.015 | 0.019 | 0.023 | 0.027 | 0.030 | 0.034 | 0.037 | 0.041 | 0.044 | 0.047 | 0.050 |
| 12                                        |       |       | 0.027 | 0.033 | 0.038 | 0.043 | 0.048 | 0.053 | 0.058 | 0.063 | 0.067 | 0.072 |
| 14                                        |       |       |       | 0.044 | 0.051 | 0.058 | 0.065 | 0.072 | 0.078 | 0.084 | 0.091 | 0.097 |
| 16                                        |       |       |       |       | 0.067 | 0.076 | 0.084 | 0.093 | 0.101 | 0.109 | 0.117 | 0.125 |
| 18                                        |       |       |       |       |       | 0.095 | 0.106 | 0.117 | 0.127 | 0.137 | 0.148 | 0.157 |
| 20                                        |       |       |       |       |       |       | 0.130 | 0.143 | 0.156 | 0.169 | 0.181 | 0.193 |
| 22                                        |       |       |       |       |       |       |       | 0.172 | 0.188 | 0.203 | 0.218 | 0.232 |
| 24                                        |       |       |       |       |       |       |       |       | 0.222 | 0.240 | 0.258 | 0.275 |
| 26                                        |       |       |       |       |       |       |       |       | 0.260 | 0.281 | 0.301 | 0.322 |
| 28                                        |       |       |       |       |       |       |       |       |       | 0.324 | 0.348 | 0.371 |
| 30                                        |       |       |       |       |       |       |       |       |       | 0.370 | 0.398 | 0.425 |
| 32                                        |       |       |       |       |       |       |       |       |       |       | 0.451 | 0.481 |
| 34                                        |       |       |       |       |       |       |       |       |       |       | 0.507 | 0.541 |

续表18

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         | 0.009 |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.020 | 0.021 | 0.022 |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.035 | 0.037 | 0.039 | 0.041 | 0.043 |       |       |       |       |       |       |       |
| 10                                        | 0.053 | 0.057 | 0.060 | 0.063 | 0.066 | 0.069 | 0.071 |       |       |       |       |       |
| 12                                        | 0.076 | 0.081 | 0.085 | 0.089 | 0.093 | 0.098 | 0.102 | 0.106 | 0.110 |       |       |       |
| 14                                        | 0.103 | 0.109 | 0.114 | 0.120 | 0.126 | 0.132 | 0.137 | 0.143 | 0.148 | 0.154 | 0.159 |       |
| 16                                        | 0.133 | 0.141 | 0.148 | 0.156 | 0.163 | 0.171 | 0.178 | 0.185 | 0.192 | 0.199 | 0.206 | 0.213 |
| 18                                        | 0.167 | 0.177 | 0.186 | 0.196 | 0.205 | 0.215 | 0.224 | 0.233 | 0.242 | 0.251 | 0.260 | 0.268 |
| 20                                        | 0.205 | 0.217 | 0.229 | 0.240 | 0.252 | 0.263 | 0.274 | 0.286 | 0.297 | 0.308 | 0.318 | 0.329 |
| 22                                        | 0.247 | 0.261 | 0.275 | 0.289 | 0.303 | 0.317 | 0.330 | 0.344 | 0.357 | 0.370 | 0.383 | 0.396 |
| 24                                        | 0.292 | 0.309 | 0.326 | 0.343 | 0.359 | 0.375 | 0.391 | 0.407 | 0.423 | 0.438 | 0.454 | 0.469 |
| 26                                        | 0.342 | 0.361 | 0.381 | 0.400 | 0.419 | 0.438 | 0.457 | 0.475 | 0.494 | 0.512 | 0.530 | 0.548 |
| 28                                        | 0.394 | 0.417 | 0.440 | 0.462 | 0.484 | 0.506 | 0.527 | 0.549 | 0.570 | 0.591 | 0.612 | 0.633 |
| 30                                        | 0.451 | 0.477 | 0.503 | 0.528 | 0.553 | 0.578 | 0.603 | 0.628 | 0.652 | 0.676 | 0.700 | 0.723 |
| 32                                        | 0.511 | 0.541 | 0.570 | 0.599 | 0.627 | 0.656 | 0.684 | 0.711 | 0.739 | 0.766 | 0.793 | 0.820 |
| 34                                        | 0.575 | 0.608 | 0.641 | 0.674 | 0.706 | 0.737 | 0.769 | 0.800 | 0.831 | 0.862 | 0.892 | 0.922 |



## 二十、华北地区阔叶树二元立木材积表

$$V = 0.000057468552 D^{1.9155590} H^{0.92059720}$$

表19

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |
| 6                                      |       | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 |       |
| 8                                      |       | 0.009 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.028 | 0.031 | 0.033 |
| 10                                     |       |       | 0.017 | 0.021 | 0.025 | 0.029 | 0.032 | 0.036 | 0.040 | 0.044 | 0.047 | 0.051 |
| 12                                     |       |       |       | 0.030 | 0.035 | 0.041 | 0.046 | 0.051 | 0.057 | 0.062 | 0.067 | 0.072 |
| 14                                     |       |       |       |       | 0.047 | 0.055 | 0.062 | 0.069 | 0.076 | 0.083 | 0.090 | 0.097 |
| 16                                     |       |       |       |       | 0.061 | 0.071 | 0.080 | 0.089 | 0.098 | 0.107 | 0.116 | 0.125 |
| 18                                     |       |       |       |       |       | 0.089 | 0.100 | 0.112 | 0.123 | 0.135 | 0.146 | 0.157 |
| 20                                     |       |       |       |       |       | 0.108 | 0.123 | 0.137 | 0.151 | 0.165 | 0.178 | 0.192 |
| 22                                     |       |       |       |       |       |       | 0.147 | 0.164 | 0.181 | 0.198 | 0.214 | 0.231 |
| 24                                     |       |       |       |       |       |       | 0.174 | 0.194 | 0.214 | 0.233 | 0.253 | 0.273 |
| 26                                     |       |       |       |       |       |       |       | 0.226 | 0.249 | 0.272 | 0.295 | 0.318 |
| 28                                     |       |       |       |       |       |       |       | 0.260 | 0.287 | 0.314 | 0.340 | 0.366 |
| 30                                     |       |       |       |       |       |       |       |       | 0.328 | 0.358 | 0.388 | 0.418 |
| 32                                     |       |       |       |       |       |       |       |       | 0.371 | 0.405 | 0.439 | 0.473 |
| 34                                     |       |       |       |       |       |       |       |       |       | 0.455 | 0.493 | 0.531 |
| 36                                     |       |       |       |       |       |       |       |       |       |       | 0.550 | 0.593 |
| 38                                     |       |       |       |       |       |       |       |       |       |       | 0.610 | 0.657 |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       | 0.725 |
| 42                                     |       |       |       |       |       |       |       |       |       |       |       |       |
| 44                                     |       |       |       |       |       |       |       |       |       |       |       |       |
| 46                                     |       |       |       |       |       |       |       |       |       |       |       |       |
| 48                                     |       |       |       |       |       |       |       |       |       |       |       |       |

续表19

| $V \backslash H$<br>$D$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      | 0.055 |       |       |       |       |       |       |       |       |       |       |       |
| 12                      | 0.077 | 0.082 |       |       |       |       |       |       |       |       |       |       |
| 14                      | 0.104 | 0.111 | 0.118 |       |       |       |       |       |       |       |       |       |
| 16                      | 0.134 | 0.143 | 0.152 | 0.161 |       |       |       |       |       |       |       |       |
| 18                      | 0.168 | 0.179 | 0.190 | 0.201 |       |       |       |       |       |       |       |       |
| 20                      | 0.206 | 0.219 | 0.233 | 0.246 | 0.260 |       |       |       |       |       |       |       |
| 22                      | 0.247 | 0.263 | 0.280 | 0.296 | 0.312 | 0.328 |       |       |       |       |       |       |
| 24                      | 0.292 | 0.311 | 0.330 | 0.349 | 0.369 | 0.387 | 0.406 |       |       |       |       |       |
| 26                      | 0.340 | 0.363 | 0.385 | 0.407 | 0.430 | 0.452 | 0.474 |       |       |       |       |       |
| 28                      | 0.392 | 0.418 | 0.444 | 0.470 | 0.495 | 0.521 | 0.546 | 0.571 |       |       |       |       |
| 30                      | 0.448 | 0.477 | 0.507 | 0.536 | 0.565 | 0.594 | 0.623 | 0.652 | 0.681 |       |       |       |
| 32                      | 0.507 | 0.540 | 0.573 | 0.606 | 0.639 | 0.672 | 0.705 | 0.738 | 0.770 | 0.802 |       |       |
| 34                      | 0.569 | 0.607 | 0.644 | 0.681 | 0.718 | 0.755 | 0.792 | 0.828 | 0.865 | 0.901 | 0.937 | 0.974 |
| 36                      | 0.635 | 0.677 | 0.718 | 0.760 | 0.801 | 0.842 | 0.883 | 0.924 | 0.965 | 1.006 | 1.046 | 1.086 |
| 38                      | 0.704 | 0.751 | 0.797 | 0.843 | 0.889 | 0.934 | 0.980 | 1.025 | 1.070 | 1.115 | 1.160 | 1.205 |
| 40                      | 0.777 | 0.828 | 0.879 | 0.930 | 0.980 | 1.031 | 1.081 | 1.131 | 1.181 | 1.230 | 1.280 | 1.329 |
| 42                      | 0.853 | 0.909 | 0.965 | 1.021 | 1.076 | 1.132 | 1.187 | 1.242 | 1.296 | 1.351 | 1.405 | 1.459 |
| 44                      | 0.932 | 0.994 | 1.055 | 1.116 | 1.177 | 1.237 | 1.297 | 1.357 | 1.417 | 1.477 | 1.536 | 1.595 |
| 46                      | 1.015 | 1.082 | 1.149 | 1.215 | 1.281 | 1.347 | 1.413 | 1.478 | 1.543 | 1.608 | 1.673 | 1.737 |
| 48                      |       | 1.174 | 1.246 | 1.318 | 1.390 | 1.462 | 1.533 | 1.604 | 1.674 | 1.745 | 1.815 | 1.885 |

## 二十一、杉木二元立木材积表 (一)

$$V = 0.000058777042 D^{1.9899831} H^{0.80846157}$$

表 20

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 |       |
| 6                                      | 0.004 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 | 0.020 | 0.021 |
| 8                                      |       | 0.009 | 0.012 | 0.015 | 0.018 | 0.020 | 0.023 | 0.025 | 0.028 | 0.030 | 0.033 | 0.035 | 0.038 |
| 10                                     |       | 0.015 | 0.019 | 0.023 | 0.027 | 0.031 | 0.035 | 0.039 | 0.043 | 0.047 | 0.051 | 0.055 | 0.058 |
| 12                                     |       |       | 0.027 | 0.033 | 0.039 | 0.045 | 0.051 | 0.056 | 0.062 | 0.067 | 0.073 | 0.078 | 0.084 |
| 14                                     |       |       | 0.037 | 0.045 | 0.053 | 0.061 | 0.069 | 0.076 | 0.084 | 0.091 | 0.099 | 0.106 | 0.113 |
| 16                                     |       |       |       | 0.059 | 0.069 | 0.079 | 0.089 | 0.099 | 0.109 | 0.119 | 0.128 | 0.138 | 0.147 |
| 18                                     |       |       |       | 0.074 | 0.087 | 0.100 | 0.113 | 0.125 | 0.138 | 0.150 | 0.162 | 0.174 | 0.186 |
| 20                                     |       |       |       |       | 0.107 | 0.123 | 0.139 | 0.154 | 0.169 | 0.184 | 0.199 | 0.214 | 0.229 |
| 22                                     |       |       |       |       | 0.129 | 0.148 | 0.167 | 0.186 | 0.204 | 0.222 | 0.241 | 0.258 | 0.276 |
| 24                                     |       |       |       |       |       | 0.176 | 0.199 | 0.221 | 0.242 | 0.264 | 0.286 | 0.307 | 0.328 |
| 26                                     |       |       |       |       |       | 0.206 | 0.232 | 0.258 | 0.284 | 0.309 | 0.334 | 0.359 | 0.384 |
| 28                                     |       |       |       |       |       |       | 0.269 | 0.299 | 0.329 | 0.358 | 0.387 | 0.416 | 0.444 |
| 30                                     |       |       |       |       |       |       | 0.308 | 0.342 | 0.376 | 0.410 | 0.443 | 0.476 | 0.509 |
| 32                                     |       |       |       |       |       |       |       | 0.389 | 0.427 | 0.465 | 0.503 | 0.541 | 0.578 |
| 34                                     |       |       |       |       |       |       |       | 0.438 | 0.482 | 0.525 | 0.567 | 0.609 | 0.651 |
| 36                                     |       |       |       |       |       |       |       |       | 0.539 | 0.587 | 0.635 | 0.682 | 0.729 |
| 38                                     |       |       |       |       |       |       |       |       | 0.600 | 0.653 | 0.706 | 0.759 | 0.811 |
| 40                                     |       |       |       |       |       |       |       |       |       | 0.722 | 0.781 | 0.839 | 0.897 |

续表20

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.023 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.040 | 0.042 | 0.045 |       | 0.077 |       |       |       |       |       |       |       |       |
| 10                                        | 0.062 | 0.066 | 0.070 | 0.073 |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.089 | 0.094 | 0.100 | 0.105 | 0.110 | 0.115 | 0.120 |       |       |       |       |       |       |
| 14                                        | 0.121 | 0.128 | 0.135 | 0.142 | 0.149 | 0.156 | 0.163 | 0.170 | 0.177 |       |       |       |       |
| 16                                        | 0.157 | 0.166 | 0.176 | 0.185 | 0.194 | 0.203 | 0.212 | 0.221 | 0.230 | 0.239 | 0.248 |       |       |
| 18                                        | 0.198 | 0.210 | 0.221 | 0.233 | 0.245 | 0.256 | 0.268 | 0.279 | 0.290 | 0.302 | 0.313 | 0.324 |       |
| 20                                        | 0.244 | 0.258 | 0.272 | 0.287 | 0.301 | 0.315 | 0.329 | 0.343 | 0.357 | 0.371 | 0.385 | 0.399 | 0.412 |
| 22                                        | 0.294 | 0.311 | 0.329 | 0.346 | 0.363 | 0.380 | 0.397 | 0.414 | 0.431 | 0.448 | 0.464 | 0.481 | 0.498 |
| 24                                        | 0.349 | 0.370 | 0.390 | 0.411 | 0.431 | 0.451 | 0.472 | 0.492 | 0.512 | 0.532 | 0.551 | 0.571 | 0.591 |
| 26                                        | 0.408 | 0.433 | 0.457 | 0.481 | 0.505 | 0.528 | 0.552 | 0.576 | 0.599 | 0.622 | 0.645 | 0.669 | 0.692 |
| 28                                        | 0.473 | 0.501 | 0.529 | 0.556 | 0.584 | 0.612 | 0.639 | 0.666 | 0.693 | 0.720 | 0.747 | 0.774 | 0.800 |
| 30                                        | 0.541 | 0.574 | 0.606 | 0.637 | 0.669 | 0.701 | 0.732 | 0.763 | 0.794 | 0.825 | 0.856 | 0.886 | 0.917 |
| 32                                        | 0.615 | 0.651 | 0.688 | 0.724 | 0.760 | 0.796 | 0.831 | 0.866 | 0.902 | 0.937 | 0.972 | 1.006 | 1.041 |
| 34                                        | 0.693 | 0.734 | 0.775 | 0.816 | 0.856 | 0.896 | 0.937 | 0.976 | 1.016 | 1.056 | 1.095 | 1.134 | 1.173 |
| 36                                        | 0.775 | 0.821 | 0.867 | 0.913 | 0.958 | 1.003 | 1.048 | 1.093 | 1.137 | 1.181 | 1.225 | 1.269 | 1.313 |
| 38                                        | 0.862 | 0.914 | 0.965 | 1.015 | 1.066 | 1.116 | 1.166 | 1.216 | 1.265 | 1.314 | 1.363 | 1.412 | 1.461 |
| 40                                        | 0.954 | 1.011 | 1.067 | 1.123 | 1.179 | 1.235 | 1.290 | 1.345 | 1.400 | 1.454 | 1.508 | 1.562 | 1.616 |

续表 20

| $\begin{array}{c} V \\ \backslash \\ D \end{array} \begin{array}{c} H \end{array}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |  |  |
|------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
|                                                                                    |       |       |       |       |       |       |       |       |  |  |  |  |
| 2                                                                                  |       |       |       |       |       |       |       |       |  |  |  |  |
| 4                                                                                  |       |       |       |       |       |       |       |       |  |  |  |  |
| 6                                                                                  |       |       |       |       |       |       |       |       |  |  |  |  |
| 8                                                                                  |       |       |       |       |       |       |       |       |  |  |  |  |
| 10                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 12                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 14                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 16                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 18                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 20                                                                                 |       |       |       |       |       |       |       |       |  |  |  |  |
| 22                                                                                 | 0.514 |       |       |       |       |       |       |       |  |  |  |  |
| 24                                                                                 | 0.610 | 0.630 |       |       |       |       |       |       |  |  |  |  |
| 26                                                                                 | 0.715 | 0.737 | 0.760 |       |       |       |       |       |  |  |  |  |
| 28                                                                                 | 0.827 | 0.853 | 0.880 | 0.906 |       |       |       |       |  |  |  |  |
| 30                                                                                 | 0.947 | 0.977 | 1.008 | 1.038 | 1.068 |       |       |       |  |  |  |  |
| 32                                                                                 | 1.076 | 1.110 | 1.144 | 1.178 | 1.212 | 1.246 |       |       |  |  |  |  |
| 34                                                                                 | 1.212 | 1.251 | 1.289 | 1.328 | 1.366 | 1.404 | 1.442 |       |  |  |  |  |
| 36                                                                                 | 1.356 | 1.400 | 1.443 | 1.486 | 1.529 | 1.572 | 1.614 | 1.657 |  |  |  |  |
| 38                                                                                 | 1.509 | 1.557 | 1.605 | 1.653 | 1.701 | 1.748 | 1.796 | 1.843 |  |  |  |  |
| 40                                                                                 | 1.669 | 1.723 | 1.776 | 1.829 | 1.882 | 1.934 | 1.987 | 2.039 |  |  |  |  |

续表 20

| $V \backslash H$<br>$D$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 0.795 | 0.860 | 0.924 | 0.987 | 1.050 | 1.113 | 1.175 | 1.237 | 1.298 | 1.359 | 1.420 | 1.481 | 1.541 |
| 44                      |       | 0.942 | 1.012 | 1.082 | 1.151 | 1.220 | 1.288 | 1.355 | 1.423 | 1.490 | 1.556 | 1.623 | 1.689 |
| 46                      |       | 1.029 | 1.105 | 1.181 | 1.256 | 1.331 | 1.406 | 1.480 | 1.553 | 1.626 | 1.699 | 1.771 | 1.843 |
| 48                      |       | 1.119 | 1.202 | 1.284 | 1.366 | 1.448 | 1.529 | 1.609 | 1.689 | 1.768 | 1.847 | 1.926 | 2.004 |
| 50                      |       |       | 1.302 | 1.392 | 1.481 | 1.569 | 1.657 | 1.744 | 1.830 | 1.916 | 2.002 | 2.087 | 2.172 |
| 52                      |       |       | 1.407 | 1.504 | 1.600 | 1.695 | 1.790 | 1.884 | 1.977 | 2.070 | 2.163 | 2.255 | 2.347 |
| 54                      |       |       | 1.516 | 1.620 | 1.723 | 1.826 | 1.928 | 2.029 | 2.130 | 2.230 | 2.330 | 2.429 | 2.528 |
| 56                      |       |       |       | 1.740 | 1.851 | 1.961 | 2.071 | 2.180 | 2.288 | 2.396 | 2.503 | 2.609 | 2.715 |
| 58                      |       |       |       | 1.865 | 1.984 | 2.102 | 2.219 | 2.336 | 2.452 | 2.567 | 2.682 | 2.796 | 2.910 |
| 60                      |       |       |       | 1.993 | 2.121 | 2.247 | 2.372 | 2.497 | 2.621 | 2.744 | 2.867 | 2.989 | 3.111 |

续表20

| $V \backslash H$<br>$D$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 1.601 | 1.660 | 1.720 | 1.779 | 1.838 | 1.897 | 1.955 | 2.013 | 2.072 | 2.129 | 2.187 | 2.245 |
| 44                      | 1.754 | 1.820 | 1.885 | 1.950 | 2.014 | 2.079 | 2.143 | 2.207 | 2.270 | 2.334 | 2.397 | 2.460 |
| 46                      | 1.915 | 1.986 | 2.057 | 2.128 | 2.199 | 2.269 | 2.339 | 2.409 | 2.478 | 2.547 | 2.617 | 2.685 |
| 48                      | 2.082 | 2.160 | 2.237 | 2.314 | 2.391 | 2.467 | 2.543 | 2.619 | 2.695 | 2.770 | 2.845 | 2.920 |
| 50                      | 2.257 | 2.341 | 2.424 | 2.508 | 2.591 | 2.674 | 2.756 | 2.839 | 2.921 | 3.002 | 3.084 | 3.165 |
| 52                      | 2.438 | 2.529 | 2.619 | 2.709 | 2.799 | 2.889 | 2.978 | 3.067 | 3.155 | 3.243 | 3.331 | 3.419 |
| 54                      | 2.626 | 2.724 | 2.821 | 2.918 | 3.015 | 3.112 | 3.208 | 3.303 | 3.399 | 3.494 | 3.588 | 3.683 |
| 56                      | 2.821 | 2.926 | 3.031 | 3.135 | 3.239 | 3.343 | 3.446 | 3.549 | 3.651 | 3.753 | 3.855 | 3.956 |
| 58                      | 3.023 | 3.136 | 3.248 | 3.360 | 3.471 | 3.582 | 3.692 | 3.803 | 3.912 | 4.022 | 4.131 | 4.240 |
| 60                      | 3.232 | 3.352 | 3.472 | 3.592 | 3.711 | 3.829 | 3.947 | 4.065 | 4.183 | 4.300 | 4.416 | 4.532 |

## 二十二、杉木二元立木材积表 (二)

$$V = 0.000058061860 D^{1.9553351} H^{0.89403304}$$

表21

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                                 | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 |       |
| 6                                                 | 0.004 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.020 |
| 8                                                 | 0.006 | 0.009 | 0.012 | 0.014 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 | 0.031 | 0.034 | 0.036 |
| 10                                                |       | 0.014 | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.037 | 0.041 | 0.045 | 0.048 | 0.052 | 0.055 |
| 12                                                |       |       | 0.026 | 0.032 | 0.037 | 0.043 | 0.048 | 0.053 | 0.059 | 0.064 | 0.069 | 0.074 | 0.079 |
| 14                                                |       |       |       | 0.043 | 0.050 | 0.058 | 0.065 | 0.072 | 0.079 | 0.086 | 0.093 | 0.100 | 0.107 |
| 16                                                |       |       |       |       | 0.065 | 0.075 | 0.084 | 0.094 | 0.103 | 0.112 | 0.121 | 0.130 | 0.139 |
| 18                                                |       |       |       |       |       | 0.094 | 0.106 | 0.118 | 0.130 | 0.141 | 0.152 | 0.164 | 0.175 |
| 20                                                |       |       |       |       |       |       | 0.130 | 0.145 | 0.159 | 0.173 | 0.187 | 0.201 | 0.215 |
| 22                                                |       |       |       |       |       |       |       | 0.175 | 0.192 | 0.209 | 0.226 | 0.242 | 0.259 |
| 24                                                |       |       |       |       |       |       |       |       | 0.227 | 0.248 | 0.268 | 0.287 | 0.307 |
| 26                                                |       |       |       |       |       |       |       |       | 0.266 | 0.290 | 0.313 | 0.336 | 0.359 |
| 28                                                |       |       |       |       |       |       |       |       |       | 0.335 | 0.362 | 0.389 | 0.415 |
| 30                                                |       |       |       |       |       |       |       |       |       | 0.383 | 0.414 | 0.445 | 0.475 |
| 32                                                |       |       |       |       |       |       |       |       |       |       |       | 0.505 | 0.539 |
| 34                                                |       |       |       |       |       |       |       |       |       |       |       | 0.568 | 0.607 |
| 36                                                |       |       |       |       |       |       |       |       |       |       |       |       | 0.679 |
| 38                                                |       |       |       |       |       |       |       |       |       |       |       |       | 0.754 |
| 40                                                |       |       |       |       |       |       |       |       |       |       |       |       | 0.834 |



续表 21

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.038 | 0.040 | 0.043 | 0.045 |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.059 | 0.062 | 0.066 | 0.069 | 0.073 | 0.076 | 0.080 |       |       |       |       |       |       |
| 12                                        | 0.084 | 0.089 | 0.094 | 0.099 | 0.104 | 0.109 | 0.114 | 0.119 | 0.123 |       |       |       |       |
| 14                                        | 0.114 | 0.121 | 0.127 | 0.134 | 0.141 | 0.147 | 0.154 | 0.160 | 0.167 | 0.173 | 0.180 |       |       |
| 16                                        | 0.148 | 0.157 | 0.165 | 0.174 | 0.183 | 0.191 | 0.200 | 0.208 | 0.217 | 0.225 | 0.233 | 0.242 | 0.250 |
| 18                                        | 0.186 | 0.197 | 0.208 | 0.219 | 0.230 | 0.241 | 0.251 | 0.262 | 0.273 | 0.283 | 0.294 | 0.304 | 0.315 |
| 20                                        | 0.229 | 0.242 | 0.256 | 0.269 | 0.283 | 0.296 | 0.309 | 0.322 | 0.335 | 0.348 | 0.361 | 0.374 | 0.387 |
| 22                                        | 0.276 | 0.292 | 0.308 | 0.324 | 0.340 | 0.356 | 0.372 | 0.388 | 0.404 | 0.419 | 0.435 | 0.451 | 0.466 |
| 24                                        | 0.327 | 0.346 | 0.365 | 0.385 | 0.404 | 0.423 | 0.441 | 0.460 | 0.479 | 0.497 | 0.516 | 0.534 | 0.553 |
| 26                                        | 0.382 | 0.405 | 0.427 | 0.450 | 0.472 | 0.494 | 0.516 | 0.538 | 0.560 | 0.582 | 0.603 | 0.625 | 0.646 |
| 28                                        | 0.442 | 0.468 | 0.494 | 0.520 | 0.546 | 0.571 | 0.597 | 0.622 | 0.647 | 0.672 | 0.697 | 0.722 | 0.747 |
| 30                                        | 0.505 | 0.535 | 0.565 | 0.595 | 0.624 | 0.654 | 0.683 | 0.712 | 0.741 | 0.769 | 0.798 | 0.826 | 0.855 |
| 32                                        | 0.573 | 0.607 | 0.641 | 0.675 | 0.708 | 0.742 | 0.775 | 0.807 | 0.840 | 0.873 | 0.905 | 0.938 | 0.970 |
| 34                                        | 0.646 | 0.684 | 0.722 | 0.760 | 0.797 | 0.835 | 0.872 | 0.909 | 0.946 | 0.983 | 1.019 | 1.056 | 1.092 |
| 36                                        | 0.722 | 0.765 | 0.807 | 0.850 | 0.892 | 0.934 | 0.975 | 1.017 | 1.058 | 1.099 | 1.140 | 1.180 | 1.221 |
| 38                                        | 0.802 | 0.850 | 0.897 | 0.944 | 0.991 | 1.038 | 1.084 | 1.130 | 1.176 | 1.221 | 1.267 | 1.312 | 1.357 |
| 40                                        | 0.887 | 0.940 | 0.992 | 1.044 | 1.096 | 1.147 | 1.198 | 1.249 | 1.300 | 1.350 | 1.400 | 1.450 | 1.500 |

续表21

| $V \backslash H$<br>$D$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    |  |  |  |  |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
| 2                       |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 4                       |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 6                       |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 8                       |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 10                      |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 12                      |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 14                      |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 16                      |       |       |       |       |       |       |       |       |       |  |  |  |  |
| 18                      | 0.325 | 0.336 |       |       |       |       |       |       |       |  |  |  |  |
| 20                      | 0.400 | 0.412 | 0.425 |       |       |       |       |       |       |  |  |  |  |
| 22                      | 0.481 | 0.497 | 0.512 | 0.527 |       |       |       |       |       |  |  |  |  |
| 24                      | 0.571 | 0.589 | 0.607 | 0.625 | 0.643 |       |       |       |       |  |  |  |  |
| 26                      | 0.667 | 0.689 | 0.710 | 0.731 | 0.752 |       |       |       |       |  |  |  |  |
| 28                      | 0.772 | 0.796 | 0.821 | 0.845 | 0.869 | 0.894 |       |       |       |  |  |  |  |
| 30                      | 0.883 | 0.911 | 0.939 | 0.967 | 0.995 | 1.023 |       |       |       |  |  |  |  |
| 32                      | 1.002 | 1.034 | 1.066 | 1.097 | 1.129 | 1.160 | 1.192 |       |       |  |  |  |  |
| 34                      | 1.128 | 1.164 | 1.200 | 1.235 | 1.271 | 1.306 | 1.342 |       |       |  |  |  |  |
| 36                      | 1.261 | 1.301 | 1.341 | 1.381 | 1.421 | 1.461 | 1.500 | 1.540 |       |  |  |  |  |
| 38                      | 1.402 | 1.447 | 1.491 | 1.535 | 1.580 | 1.624 | 1.668 | 1.711 |       |  |  |  |  |
| 40                      | 1.550 | 1.599 | 1.648 | 1.697 | 1.746 | 1.795 | 1.844 | 1.892 | 1.940 |  |  |  |  |

续表21

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.739 | 0.799 | 0.859 | 0.917 | 0.976 | 1.034 | 1.091 | 1.149 | 1.205 | 1.262 | 1.318 | 1.374 | 1.430 |
| 44                                        |       | 0.875 | 0.940 | 1.005 | 1.069 | 1.132 | 1.195 | 1.258 | 1.320 | 1.382 | 1.444 | 1.505 | 1.566 |
| 46                                        |       | 0.955 | 1.026 | 1.096 | 1.166 | 1.235 | 1.304 | 1.372 | 1.440 | 1.508 | 1.575 | 1.642 | 1.708 |
| 48                                        |       | 1.038 | 1.115 | 1.191 | 1.267 | 1.342 | 1.417 | 1.491 | 1.565 | 1.638 | 1.712 | 1.784 | 1.857 |
| 50                                        |       |       | 1.207 | 1.290 | 1.372 | 1.454 | 1.535 | 1.615 | 1.695 | 1.775 | 1.854 | 1.932 | 2.011 |
| 52                                        |       |       | 1.304 | 1.393 | 1.482 | 1.570 | 1.657 | 1.744 | 1.830 | 1.916 | 2.002 | 2.087 | 2.171 |
| 54                                        |       |       | 1.403 | 1.500 | 1.595 | 1.690 | 1.784 | 1.877 | 1.970 | 2.063 | 2.155 | 2.246 | 2.337 |
| 56                                        |       |       |       | 1.610 | 1.713 | 1.814 | 1.915 | 2.016 | 2.116 | 2.215 | 2.314 | 2.412 | 2.510 |
| 58                                        |       |       |       | 1.724 | 1.834 | 1.943 | 2.051 | 2.159 | 2.266 | 2.372 | 2.478 | 2.583 | 2.688 |
| 60                                        |       |       |       | 1.843 | 1.960 | 2.076 | 2.192 | 2.307 | 2.421 | 2.535 | 2.648 | 2.760 | 2.872 |

续表21

| $\begin{array}{c} V \\ \swarrow \\ D \end{array} \begin{array}{c} H \end{array}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    |
|----------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 42                                                                               | 1.485 | 1.541 | 1.596 | 1.650 | 1.705 | 1.759 | 1.813 | 1.867 | 1.921 | 1.975 | 2.028 | 2.081 | 2.134 |
| 44                                                                               | 1.627 | 1.687 | 1.748 | 1.807 | 1.867 | 1.927 | 1.986 | 2.045 | 2.104 | 2.163 | 2.221 | 2.279 | 2.338 |
| 46                                                                               | 1.775 | 1.841 | 1.906 | 1.972 | 2.037 | 2.102 | 2.166 | 2.231 | 2.295 | 2.359 | 2.423 | 2.486 | 2.550 |
| 48                                                                               | 1.929 | 2.000 | 2.072 | 2.143 | 2.214 | 2.284 | 2.354 | 2.424 | 2.494 | 2.564 | 2.633 | 2.702 | 2.771 |
| 50                                                                               | 2.089 | 2.166 | 2.244 | 2.321 | 2.397 | 2.474 | 2.550 | 2.626 | 2.701 | 2.777 | 2.852 | 2.927 | 3.001 |
| 52                                                                               | 2.255 | 2.339 | 2.423 | 2.506 | 2.589 | 2.671 | 2.753 | 2.835 | 2.917 | 2.998 | 3.079 | 3.160 | 3.241 |
| 54                                                                               | 2.428 | 2.518 | 2.608 | 2.698 | 2.787 | 2.876 | 2.964 | 3.052 | 3.140 | 3.228 | 3.315 | 3.402 | 3.489 |
| 56                                                                               | 2.607 | 2.704 | 2.800 | 2.896 | 2.992 | 3.088 | 3.183 | 3.277 | 3.372 | 3.466 | 3.559 | 3.653 | 3.746 |
| 58                                                                               | 2.792 | 2.896 | 2.999 | 3.102 | 3.205 | 3.307 | 3.409 | 3.510 | 3.611 | 3.712 | 3.812 | 3.912 | 4.012 |
| 60                                                                               | 2.984 | 3.094 | 3.205 | 3.315 | 3.424 | 3.533 | 3.642 | 3.751 | 3.859 | 3.966 | 4.073 | 4.180 | 4.287 |

## 二十三、马尾松二元立木材积表 (一)

$$V = 0.000062341803D^{1.8551497}H^{0.95882492}$$

表22

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |       |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.009 | 0.010 | 0.011 |       |
| 6                                      | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 | 0.020 | 0.022 | 0.023 | 0.025 |
| 8                                      |       | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.037 | 0.039 | 0.042 |
| 10                                     |       | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.040 | 0.044 | 0.048 | 0.052 | 0.056 | 0.060 | 0.063 |
| 12                                     |       | 0.018 | 0.024 | 0.029 | 0.035 | 0.040 | 0.046 | 0.051 | 0.057 | 0.062 | 0.068 | 0.073 | 0.078 | 0.084 | 0.089 |
| 14                                     |       |       | 0.031 | 0.039 | 0.046 | 0.054 | 0.061 | 0.068 | 0.075 | 0.083 | 0.090 | 0.097 | 0.104 | 0.111 | 0.118 |
| 16                                     |       |       | 0.040 | 0.050 | 0.059 | 0.069 | 0.078 | 0.087 | 0.097 | 0.106 | 0.115 | 0.124 | 0.133 | 0.143 | 0.152 |
| 18                                     |       |       | 0.050 | 0.062 | 0.074 | 0.086 | 0.097 | 0.109 | 0.120 | 0.132 | 0.143 | 0.155 | 0.166 | 0.177 | 0.189 |
| 20                                     |       |       |       | 0.075 | 0.090 | 0.104 | 0.118 | 0.132 | 0.146 | 0.160 | 0.174 | 0.188 | 0.202 | 0.216 | 0.229 |
| 22                                     |       |       |       | 0.090 | 0.107 | 0.124 | 0.141 | 0.158 | 0.175 | 0.191 | 0.208 | 0.224 | 0.241 | 0.257 | 0.274 |
| 24                                     |       |       |       | 0.106 | 0.126 | 0.146 | 0.166 | 0.185 | 0.205 | 0.225 | 0.244 | 0.264 | 0.283 | 0.302 | 0.323 |
| 26                                     |       |       |       |       | 0.146 | 0.169 | 0.192 | 0.215 | 0.238 | 0.261 | 0.283 | 0.306 | 0.328 | 0.351 | 0.373 |
| 28                                     |       |       |       |       | 0.168 | 0.194 | 0.221 | 0.247 | 0.273 | 0.299 | 0.325 | 0.351 | 0.377 | 0.403 | 0.428 |
| 30                                     |       |       |       |       | 0.190 | 0.221 | 0.251 | 0.281 | 0.310 | 0.340 | 0.370 | 0.399 | 0.428 | 0.457 | 0.487 |
| 32                                     |       |       |       |       |       | 0.249 | 0.283 | 0.316 | 0.350 | 0.383 | 0.417 | 0.450 | 0.483 | 0.516 | 0.549 |
| 34                                     |       |       |       |       |       | 0.278 | 0.316 | 0.354 | 0.391 | 0.429 | 0.466 | 0.503 | 0.540 | 0.577 | 0.614 |
| 36                                     |       |       |       |       |       | 0.309 | 0.352 | 0.394 | 0.435 | 0.477 | 0.518 | 0.560 | 0.601 | 0.642 | 0.682 |
| 38                                     |       |       |       |       |       |       | 0.389 | 0.435 | 0.481 | 0.527 | 0.573 | 0.619 | 0.664 | 0.709 | 0.754 |
| 40                                     |       |       |       |       |       |       | 0.428 | 0.479 | 0.529 | 0.580 | 0.630 | 0.680 | 0.730 | 0.780 | 0.830 |

续表 22

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.026 | 0.028 | 0.029 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.044 | 0.047 | 0.049 | 0.052 | 0.054 | 0.057 | 0.059 | 0.062 |       |       |       |       |       |       |       |
| 10                                        | 0.067 | 0.071 | 0.075 | 0.078 | 0.082 | 0.086 | 0.090 | 0.093 | 0.097 | 0.101 | 0.105 | 0.108 |       |       |       |
| 12                                        | 0.094 | 0.100 | 0.105 | 0.110 | 0.115 | 0.121 | 0.126 | 0.131 | 0.136 | 0.141 | 0.147 | 0.152 | 0.157 | 0.162 |       |
| 14                                        | 0.125 | 0.132 | 0.139 | 0.147 | 0.154 | 0.161 | 0.167 | 0.174 | 0.181 | 0.188 | 0.195 | 0.202 | 0.209 | 0.216 | 0.223 |
| 16                                        | 0.161 | 0.170 | 0.179 | 0.188 | 0.197 | 0.206 | 0.215 | 0.223 | 0.232 | 0.241 | 0.250 | 0.259 | 0.268 | 0.277 | 0.285 |
| 18                                        | 0.200 | 0.211 | 0.222 | 0.234 | 0.245 | 0.256 | 0.267 | 0.278 | 0.289 | 0.300 | 0.311 | 0.322 | 0.333 | 0.344 | 0.355 |
| 20                                        | 0.243 | 0.257 | 0.270 | 0.284 | 0.298 | 0.311 | 0.325 | 0.338 | 0.352 | 0.365 | 0.378 | 0.392 | 0.405 | 0.419 | 0.432 |
| 22                                        | 0.290 | 0.306 | 0.323 | 0.339 | 0.355 | 0.371 | 0.387 | 0.403 | 0.420 | 0.436 | 0.452 | 0.468 | 0.484 | 0.499 | 0.515 |
| 24                                        | 0.341 | 0.360 | 0.379 | 0.398 | 0.417 | 0.436 | 0.455 | 0.474 | 0.493 | 0.512 | 0.531 | 0.549 | 0.568 | 0.587 | 0.606 |
| 26                                        | 0.395 | 0.418 | 0.440 | 0.462 | 0.484 | 0.506 | 0.528 | 0.550 | 0.572 | 0.594 | 0.616 | 0.637 | 0.659 | 0.681 | 0.703 |
| 28                                        | 0.454 | 0.479 | 0.505 | 0.530 | 0.555 | 0.581 | 0.606 | 0.631 | 0.656 | 0.681 | 0.706 | 0.731 | 0.756 | 0.781 | 0.806 |
| 30                                        | 0.516 | 0.545 | 0.574 | 0.602 | 0.631 | 0.660 | 0.689 | 0.717 | 0.746 | 0.774 | 0.803 | 0.831 | 0.860 | 0.888 | 0.916 |
| 32                                        | 0.581 | 0.614 | 0.647 | 0.679 | 0.712 | 0.744 | 0.776 | 0.808 | 0.841 | 0.873 | 0.905 | 0.937 | 0.969 | 1.001 | 1.033 |
| 34                                        | 0.650 | 0.687 | 0.724 | 0.760 | 0.796 | 0.832 | 0.869 | 0.905 | 0.941 | 0.977 | 1.013 | 1.049 | 1.084 | 1.120 | 1.156 |
| 36                                        | 0.723 | 0.764 | 0.804 | 0.845 | 0.885 | 0.926 | 0.966 | 1.006 | 1.046 | 1.086 | 1.126 | 1.166 | 1.206 | 1.245 | 1.285 |
| 38                                        | 0.800 | 0.844 | 0.889 | 0.934 | 0.979 | 1.023 | 1.068 | 1.112 | 1.156 | 1.201 | 1.245 | 1.289 | 1.333 | 1.377 | 1.421 |
| 40                                        | 0.879 | 0.929 | 0.978 | 1.027 | 1.076 | 1.125 | 1.174 | 1.223 | 1.272 | 1.320 | 1.369 | 1.417 | 1.466 | 1.514 | 1.562 |

续表 22

| $V \backslash H$<br>$D$ | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                      | 0.230 | 0.237 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                      | 0.294 | 0.303 | 0.312 | 0.321 | 0.329 |       |       |       |       |       |       |       |       |       |       |
| 18                      | 0.366 | 0.377 | 0.388 | 0.399 | 0.410 | 0.421 | 0.432 | 0.442 |       |       |       |       |       |       |       |
| 20                      | 0.445 | 0.458 | 0.472 | 0.485 | 0.498 | 0.512 | 0.525 | 0.538 | 0.551 | 0.564 | 0.577 |       |       |       |       |
| 22                      | 0.531 | 0.547 | 0.563 | 0.579 | 0.595 | 0.610 | 0.626 | 0.642 | 0.658 | 0.673 | 0.689 | 0.705 | 0.721 | 0.736 |       |
| 24                      | 0.624 | 0.643 | 0.662 | 0.680 | 0.699 | 0.717 | 0.736 | 0.754 | 0.773 | 0.791 | 0.810 | 0.828 | 0.847 | 0.865 | 0.884 |
| 26                      | 0.724 | 0.746 | 0.768 | 0.789 | 0.811 | 0.832 | 0.854 | 0.875 | 0.897 | 0.918 | 0.940 | 0.961 | 0.982 | 1.004 | 1.025 |
| 28                      | 0.831 | 0.856 | 0.881 | 0.905 | 0.930 | 0.955 | 0.980 | 1.004 | 1.029 | 1.053 | 1.078 | 1.103 | 1.127 | 1.152 | 1.176 |
| 30                      | 0.945 | 0.973 | 1.001 | 1.029 | 1.057 | 1.085 | 1.113 | 1.141 | 1.169 | 1.197 | 1.225 | 1.253 | 1.281 | 1.309 | 1.337 |
| 32                      | 1.065 | 1.097 | 1.128 | 1.160 | 1.192 | 1.223 | 1.255 | 1.287 | 1.318 | 1.350 | 1.381 | 1.413 | 1.444 | 1.475 | 1.507 |
| 34                      | 1.191 | 1.227 | 1.263 | 1.298 | 1.334 | 1.369 | 1.404 | 1.440 | 1.475 | 1.510 | 1.545 | 1.581 | 1.616 | 1.651 | 1.686 |
| 36                      | 1.325 | 1.364 | 1.404 | 1.443 | 1.483 | 1.522 | 1.561 | 1.601 | 1.640 | 1.679 | 1.718 | 1.758 | 1.797 | 1.836 | 1.875 |
| 38                      | 1.464 | 1.508 | 1.552 | 1.596 | 1.639 | 1.683 | 1.726 | 1.770 | 1.813 | 1.856 | 1.900 | 1.943 | 1.986 | 2.029 | 2.072 |
| 40                      | 1.611 | 1.659 | 1.707 | 1.755 | 1.803 | 1.851 | 1.899 | 1.946 | 1.994 | 2.042 | 2.089 | 2.137 | 2.184 | 2.232 | 2.279 |

续表22

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.524 | 0.579 | 0.635 | 0.690 | 0.745 | 0.799 | 0.854 | 0.908 | 0.963 | 1.017 | 1.071 | 1.125 | 1.178 | 1.232 |
| 44                                        | 0.571 | 0.632 | 0.692 | 0.752 | 0.812 | 0.872 | 0.931 | 0.990 | 1.049 | 1.108 | 1.167 | 1.226 | 1.285 | 1.343 |
| 46                                        | 0.620 | 0.686 | 0.751 | 0.817 | 0.882 | 0.946 | 1.011 | 1.075 | 1.140 | 1.204 | 1.268 | 1.331 | 1.395 | 1.459 |
| 48                                        | 0.671 | 0.742 | 0.813 | 0.884 | 0.954 | 1.024 | 1.094 | 1.164 | 1.233 | 1.303 | 1.372 | 1.441 | 1.510 | 1.578 |
| 50                                        |       | 0.801 | 0.877 | 0.953 | 1.029 | 1.105 | 1.180 | 1.255 | 1.330 | 1.405 | 1.480 | 1.554 | 1.628 | 1.702 |
| 52                                        |       | 0.861 | 0.943 | 1.025 | 1.107 | 1.188 | 1.269 | 1.350 | 1.431 | 1.511 | 1.591 | 1.671 | 1.751 | 1.831 |
| 54                                        |       | 0.924 | 1.012 | 1.100 | 1.187 | 1.274 | 1.361 | 1.448 | 1.534 | 1.621 | 1.707 | 1.793 | 1.878 | 1.964 |
| 56                                        |       |       | 1.082 | 1.176 | 1.270 | 1.363 | 1.456 | 1.549 | 1.642 | 1.734 | 1.826 | 1.918 | 2.009 | 2.101 |
| 58                                        |       |       | 1.155 | 1.255 | 1.355 | 1.455 | 1.554 | 1.653 | 1.752 | 1.850 | 1.949 | 2.047 | 2.145 | 2.242 |
| 60                                        |       |       | 1.230 | 1.337 | 1.443 | 1.549 | 1.655 | 1.761 | 1.866 | 1.971 | 2.075 | 2.180 | 2.284 | 2.388 |
| 62                                        |       |       |       | 1.421 | 1.534 | 1.647 | 1.759 | 1.871 | 1.983 | 2.094 | 2.205 | 2.316 | 2.427 | 2.537 |
| 64                                        |       |       |       | 1.507 | 1.627 | 1.746 | 1.866 | 1.984 | 2.103 | 2.221 | 2.339 | 2.457 | 2.574 | 2.691 |
| 66                                        |       |       |       | 1.595 | 1.722 | 1.849 | 1.975 | 2.101 | 2.227 | 2.352 | 2.477 | 2.601 | 2.725 | 2.850 |
| 68                                        |       |       |       |       | 1.821 | 1.954 | 2.088 | 2.221 | 2.353 | 2.486 | 2.618 | 2.750 | 2.881 | 3.012 |
| 70                                        |       |       |       |       | 1.921 | 2.062 | 2.203 | 2.343 | 2.483 | 2.623 | 2.762 | 2.901 | 3.040 | 3.178 |
| 72                                        |       |       |       |       | 2.024 | 2.173 | 2.321 | 2.469 | 2.617 | 2.764 | 2.910 | 3.057 | 3.203 | 3.349 |
| 74                                        |       |       |       |       |       | 2.286 | 2.442 | 2.598 | 2.753 | 2.908 | 3.062 | 3.216 | 3.370 | 3.523 |
| 76                                        |       |       |       |       |       | 2.402 | 2.566 | 2.730 | 2.893 | 3.055 | 3.217 | 3.379 | 3.541 | 3.702 |
| 78                                        |       |       |       |       |       | 2.521 | 2.693 | 2.864 | 3.035 | 3.206 | 3.376 | 3.546 | 3.716 | 3.885 |
| 80                                        |       |       |       |       |       |       | 2.822 | 3.002 | 3.181 | 3.360 | 3.539 | 3.717 | 3.894 | 4.072 |
| 82                                        |       |       |       |       |       |       | 2.955 | 3.143 | 3.331 | 3.518 | 3.705 | 3.891 | 4.077 | 4.262 |
| 84                                        |       |       |       |       |       |       | 3.090 | 3.287 | 3.483 | 3.679 | 3.874 | 4.069 | 4.263 | 4.457 |
| 86                                        |       |       |       |       |       |       | 3.228 | 3.433 | 3.638 | 3.843 | 4.047 | 4.250 | 4.453 | 4.656 |



续表 22

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.286 | 1.339 | 1.392 | 1.446 | 1.499 | 1.552 | 1.605 | 1.658 | 1.710 | 1.763 | 1.816 | 1.869 | 1.921 | 1.974 |
| 44                                        | 1.401 | 1.460 | 1.518 | 1.576 | 1.634 | 1.692 | 1.749 | 1.807 | 1.865 | 1.922 | 1.980 | 2.037 | 2.094 | 2.151 |
| 46                                        | 1.522 | 1.585 | 1.648 | 1.711 | 1.774 | 1.837 | 1.900 | 1.962 | 2.025 | 2.087 | 2.150 | 2.212 | 2.274 | 2.336 |
| 48                                        | 1.647 | 1.715 | 1.784 | 1.852 | 1.920 | 1.988 | 2.056 | 2.124 | 2.191 | 2.259 | 2.326 | 2.394 | 2.461 | 2.528 |
| 50                                        | 1.776 | 1.850 | 1.924 | 1.998 | 2.071 | 2.144 | 2.218 | 2.291 | 2.364 | 2.437 | 2.509 | 2.582 | 2.655 | 2.727 |
| 52                                        | 1.911 | 1.990 | 2.069 | 2.148 | 2.227 | 2.306 | 2.385 | 2.464 | 2.542 | 2.621 | 2.699 | 2.777 | 2.855 | 2.933 |
| 54                                        | 2.049 | 2.134 | 2.219 | 2.304 | 2.389 | 2.473 | 2.558 | 2.642 | 2.726 | 2.811 | 2.895 | 2.978 | 3.062 | 3.146 |
| 56                                        | 2.192 | 2.283 | 2.374 | 2.465 | 2.556 | 2.646 | 2.736 | 2.827 | 2.917 | 3.007 | 3.097 | 3.186 | 3.276 | 3.365 |
| 58                                        | 2.340 | 2.437 | 2.534 | 2.631 | 2.728 | 2.824 | 2.921 | 3.017 | 3.113 | 3.209 | 3.305 | 3.401 | 3.496 | 3.592 |
| 60                                        | 2.491 | 2.595 | 2.698 | 2.802 | 2.905 | 3.007 | 3.110 | 3.213 | 3.315 | 3.417 | 3.519 | 3.621 | 3.723 | 3.825 |
| 62                                        | 2.648 | 2.758 | 2.868 | 2.977 | 3.087 | 3.196 | 3.305 | 3.414 | 3.523 | 3.632 | 3.740 | 3.848 | 3.957 | 4.065 |
| 64                                        | 2.808 | 2.925 | 3.042 | 3.158 | 3.274 | 3.390 | 3.506 | 3.621 | 3.737 | 3.852 | 3.967 | 4.082 | 4.197 | 4.311 |
| 66                                        | 2.973 | 3.097 | 3.220 | 3.343 | 3.466 | 3.589 | 3.712 | 3.834 | 3.956 | 4.078 | 4.200 | 4.322 | 4.443 | 4.565 |
| 68                                        | 3.143 | 3.273 | 3.404 | 3.534 | 3.664 | 3.793 | 3.923 | 4.052 | 4.181 | 4.310 | 4.439 | 4.568 | 4.696 | 4.825 |
| 70                                        | 3.316 | 3.454 | 3.592 | 3.729 | 3.866 | 4.003 | 4.140 | 4.276 | 4.412 | 4.549 | 4.685 | 4.820 | 4.956 | 5.091 |
| 72                                        | 3.494 | 3.639 | 3.784 | 3.929 | 4.074 | 4.218 | 4.362 | 4.506 | 4.649 | 4.793 | 4.936 | 5.079 | 5.222 | 5.364 |
| 74                                        | 3.676 | 3.829 | 3.982 | 4.134 | 4.286 | 4.438 | 4.589 | 4.741 | 4.892 | 5.043 | 5.193 | 5.344 | 5.494 | 5.644 |
| 76                                        | 3.863 | 4.023 | 4.184 | 4.344 | 4.503 | 4.663 | 4.822 | 4.981 | 5.140 | 5.298 | 5.457 | 5.615 | 5.773 | 5.930 |
| 78                                        | 4.054 | 4.222 | 4.390 | 4.558 | 4.726 | 4.893 | 5.060 | 5.227 | 5.393 | 5.560 | 5.726 | 5.892 | 6.058 | 6.223 |
| 80                                        | 4.248 | 4.425 | 4.601 | 4.777 | 4.953 | 5.128 | 5.303 | 5.478 | 5.653 | 5.827 | 6.001 | 6.175 | 6.349 | 6.522 |
| 82                                        | 4.448 | 4.632 | 4.817 | 5.001 | 5.185 | 5.369 | 5.552 | 5.735 | 5.918 | 6.100 | 6.283 | 6.465 | 6.647 | 6.828 |
| 84                                        | 4.651 | 4.844 | 5.037 | 5.230 | 5.422 | 5.614 | 5.806 | 5.997 | 6.188 | 6.379 | 6.570 | 6.760 | 6.950 | 7.140 |
| 86                                        | 4.858 | 5.060 | 5.262 | 5.463 | 5.664 | 5.863 | 6.065 | 6.265 | 6.465 | 6.664 | 6.863 | 7.062 | 7.260 | 7.459 |

续表22

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49     | 50     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 42                                        | 2.026 | 2.078 | 2.131 | 2.183 | 2.235 | 2.287 | 2.339 | 2.391 | 2.443 | 2.495 | 2.547 | 2.599 | 2.651  | 2.703  |
| 44                                        | 2.209 | 2.266 | 2.323 | 2.380 | 2.437 | 2.493 | 2.550 | 2.607 | 2.664 | 2.720 | 2.777 | 2.833 | 2.890  | 2.946  |
| 46                                        | 2.398 | 2.460 | 2.522 | 2.584 | 2.646 | 2.708 | 2.769 | 2.831 | 2.893 | 2.954 | 3.015 | 3.077 | 3.138  | 3.199  |
| 48                                        | 2.596 | 2.663 | 2.730 | 2.797 | 2.863 | 2.930 | 2.997 | 3.064 | 3.130 | 3.197 | 3.263 | 3.330 | 3.396  | 3.462  |
| 50                                        | 2.800 | 2.872 | 2.944 | 3.017 | 3.089 | 3.161 | 3.233 | 3.305 | 3.376 | 3.448 | 3.520 | 3.592 | 3.663  | 3.735  |
| 52                                        | 3.011 | 3.089 | 3.167 | 3.244 | 3.322 | 3.399 | 3.477 | 3.554 | 3.631 | 3.708 | 3.786 | 3.863 | 3.940  | 4.016  |
| 54                                        | 3.229 | 3.313 | 3.396 | 3.480 | 3.563 | 3.646 | 3.729 | 3.812 | 3.895 | 3.977 | 4.060 | 4.143 | 4.225  | 4.308  |
| 56                                        | 3.455 | 3.544 | 3.633 | 3.722 | 3.811 | 3.900 | 3.989 | 4.078 | 4.166 | 4.255 | 4.343 | 4.432 | 4.520  | 4.608  |
| 58                                        | 3.687 | 3.782 | 3.878 | 3.973 | 4.068 | 4.163 | 4.257 | 4.352 | 4.447 | 4.541 | 4.636 | 4.730 | 4.824  | 4.918  |
| 60                                        | 3.927 | 4.028 | 4.129 | 4.231 | 4.332 | 4.433 | 4.534 | 4.635 | 4.735 | 4.836 | 4.937 | 5.037 | 5.137  | 5.238  |
| 62                                        | 4.173 | 4.281 | 4.388 | 4.496 | 4.603 | 4.711 | 4.818 | 4.925 | 5.032 | 5.139 | 5.246 | 5.353 | 5.460  | 5.566  |
| 64                                        | 4.426 | 4.540 | 4.655 | 4.769 | 4.883 | 4.997 | 5.110 | 5.224 | 5.338 | 5.451 | 5.564 | 5.678 | 5.791  | 5.904  |
| 66                                        | 4.686 | 4.807 | 4.928 | 5.049 | 5.170 | 5.290 | 5.411 | 5.531 | 5.651 | 5.771 | 5.891 | 6.011 | 6.131  | 6.251  |
| 68                                        | 4.953 | 5.081 | 5.209 | 5.336 | 5.464 | 5.591 | 5.719 | 5.846 | 5.973 | 6.100 | 6.227 | 6.353 | 6.480  | 6.607  |
| 70                                        | 5.226 | 5.362 | 5.496 | 5.631 | 5.766 | 5.900 | 6.035 | 6.169 | 6.303 | 6.437 | 6.571 | 6.704 | 6.838  | 6.972  |
| 72                                        | 5.507 | 5.649 | 5.791 | 5.933 | 6.075 | 6.217 | 6.358 | 6.500 | 6.641 | 6.782 | 6.923 | 7.064 | 7.205  | 7.346  |
| 74                                        | 5.794 | 5.944 | 6.093 | 6.243 | 6.392 | 6.541 | 6.690 | 6.839 | 6.987 | 7.136 | 7.284 | 7.433 | 7.581  | 7.729  |
| 76                                        | 6.088 | 6.245 | 6.402 | 6.559 | 6.716 | 6.873 | 7.029 | 7.186 | 7.342 | 7.498 | 7.654 | 7.810 | 7.965  | 8.121  |
| 78                                        | 6.388 | 6.554 | 6.718 | 6.883 | 7.048 | 7.212 | 7.376 | 7.540 | 7.704 | 7.868 | 8.032 | 8.195 | 8.358  | 8.521  |
| 80                                        | 6.696 | 6.869 | 7.042 | 7.214 | 7.387 | 7.559 | 7.731 | 7.903 | 8.075 | 8.246 | 8.418 | 8.589 | 8.760  | 8.931  |
| 82                                        | 7.009 | 7.191 | 7.372 | 7.552 | 7.733 | 7.913 | 8.093 | 8.273 | 8.453 | 8.633 | 8.812 | 8.992 | 9.171  | 9.350  |
| 84                                        | 7.330 | 7.519 | 7.709 | 7.898 | 8.086 | 8.275 | 8.463 | 8.652 | 8.840 | 9.028 | 9.215 | 9.403 | 9.590  | 9.777  |
| 86                                        | 7.657 | 7.855 | 8.053 | 8.250 | 8.447 | 8.644 | 8.841 | 9.038 | 9.234 | 9.430 | 9.627 | 9.822 | 10.018 | 10.214 |

## 二十四、马尾松二元立木材积表 (二)

$$V = 0.000060049144 D^{1.8718753} H^{0.97180232}$$

表 23

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 |       |       |       |
| 6                                      | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.011 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 | 0.022 |       |
| 8                                      | 0.006 | 0.009 | 0.011 | 0.014 | 0.017 | 0.020 | 0.022 | 0.025 | 0.028 | 0.030 | 0.033 | 0.036 | 0.038 | 0.041 |
| 10                                     |       | 0.013 | 0.017 | 0.021 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.046 | 0.050 | 0.054 | 0.058 | 0.062 |
| 12                                     |       | 0.018 | 0.024 | 0.030 | 0.036 | 0.042 | 0.047 | 0.053 | 0.059 | 0.065 | 0.070 | 0.076 | 0.082 | 0.087 |
| 14                                     |       | 0.024 | 0.032 | 0.040 | 0.048 | 0.056 | 0.063 | 0.071 | 0.079 | 0.086 | 0.094 | 0.102 | 0.109 | 0.117 |
| 16                                     |       |       | 0.041 | 0.052 | 0.061 | 0.071 | 0.081 | 0.091 | 0.101 | 0.111 | 0.121 | 0.130 | 0.140 | 0.150 |
| 18                                     |       |       | 0.052 | 0.064 | 0.077 | 0.089 | 0.101 | 0.114 | 0.126 | 0.138 | 0.150 | 0.163 | 0.175 | 0.187 |
| 20                                     |       |       |       | 0.078 | 0.093 | 0.108 | 0.123 | 0.138 | 0.153 | 0.168 | 0.183 | 0.198 | 0.213 | 0.227 |
| 22                                     |       |       |       | 0.093 | 0.112 | 0.130 | 0.148 | 0.166 | 0.183 | 0.201 | 0.219 | 0.237 | 0.254 | 0.272 |
| 24                                     |       |       |       |       | 0.131 | 0.153 | 0.174 | 0.195 | 0.216 | 0.237 | 0.258 | 0.278 | 0.299 | 0.320 |
| 26                                     |       |       |       |       | 0.153 | 0.177 | 0.202 | 0.226 | 0.251 | 0.275 | 0.299 | 0.323 | 0.348 | 0.372 |
| 28                                     |       |       |       |       | 0.175 | 0.204 | 0.232 | 0.260 | 0.288 | 0.316 | 0.344 | 0.372 | 0.399 | 0.427 |
| 30                                     |       |       |       |       |       | 0.232 | 0.264 | 0.296 | 0.328 | 0.359 | 0.391 | 0.423 | 0.454 | 0.486 |
| 32                                     |       |       |       |       |       | 0.261 | 0.298 | 0.334 | 0.370 | 0.406 | 0.441 | 0.477 | 0.513 | 0.548 |
| 34                                     |       |       |       |       |       |       | 0.333 | 0.374 | 0.414 | 0.454 | 0.494 | 0.534 | 0.574 | 0.614 |
| 36                                     |       |       |       |       |       |       | 0.371 | 0.416 | 0.461 | 0.506 | 0.550 | 0.595 | 0.639 | 0.684 |
| 38                                     |       |       |       |       |       |       | 0.411 | 0.460 | 0.510 | 0.560 | 0.609 | 0.658 | 0.707 | 0.756 |
| 40                                     |       |       |       |       |       |       | 0.452 | 0.507 | 0.561 | 0.616 | 0.670 | 0.725 | 0.779 | 0.833 |

续表23

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.044 | 0.046 |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.066 | 0.070 | 0.074 | 0.078 | 0.082 |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.093 | 0.099 | 0.104 | 0.110 | 0.116 | 0.121 | 0.127 |       |       |       |       |       |       |       |
| 14                                        | 0.124 | 0.132 | 0.139 | 0.147 | 0.154 | 0.162 | 0.169 | 0.177 | 0.184 |       |       |       |       |       |
| 16                                        | 0.159 | 0.169 | 0.179 | 0.188 | 0.198 | 0.208 | 0.217 | 0.227 | 0.237 | 0.246 | 0.256 |       |       |       |
| 18                                        | 0.199 | 0.211 | 0.223 | 0.235 | 0.247 | 0.259 | 0.271 | 0.283 | 0.295 | 0.307 | 0.319 | 0.331 | 0.343 |       |
| 20                                        | 0.242 | 0.257 | 0.272 | 0.286 | 0.301 | 0.315 | 0.330 | 0.345 | 0.359 | 0.374 | 0.388 | 0.403 | 0.417 | 0.432 |
| 22                                        | 0.290 | 0.307 | 0.325 | 0.342 | 0.360 | 0.377 | 0.395 | 0.412 | 0.429 | 0.447 | 0.464 | 0.481 | 0.499 | 0.516 |
| 24                                        | 0.341 | 0.361 | 0.382 | 0.403 | 0.423 | 0.444 | 0.464 | 0.485 | 0.505 | 0.526 | 0.546 | 0.567 | 0.587 | 0.607 |
| 26                                        | 0.396 | 0.420 | 0.444 | 0.468 | 0.492 | 0.516 | 0.539 | 0.563 | 0.587 | 0.611 | 0.634 | 0.658 | 0.682 | 0.705 |
| 28                                        | 0.455 | 0.482 | 0.510 | 0.537 | 0.565 | 0.592 | 0.620 | 0.647 | 0.674 | 0.702 | 0.729 | 0.756 | 0.783 | 0.810 |
| 30                                        | 0.517 | 0.549 | 0.580 | 0.611 | 0.643 | 0.674 | 0.705 | 0.736 | 0.767 | 0.798 | 0.829 | 0.860 | 0.891 | 0.922 |
| 32                                        | 0.584 | 0.619 | 0.655 | 0.690 | 0.725 | 0.760 | 0.796 | 0.831 | 0.866 | 0.901 | 0.936 | 0.971 | 1.006 | 1.041 |
| 34                                        | 0.654 | 0.694 | 0.733 | 0.773 | 0.812 | 0.852 | 0.891 | 0.931 | 0.970 | 1.009 | 1.048 | 1.087 | 1.127 | 1.166 |
| 36                                        | 0.728 | 0.772 | 0.816 | 0.860 | 0.904 | 0.948 | 0.992 | 1.036 | 1.079 | 1.123 | 1.167 | 1.210 | 1.254 | 1.297 |
| 38                                        | 0.805 | 0.854 | 0.903 | 0.952 | 1.000 | 1.049 | 1.097 | 1.146 | 1.194 | 1.243 | 1.291 | 1.339 | 1.387 | 1.435 |
| 40                                        | 0.887 | 0.940 | 0.994 | 1.048 | 1.101 | 1.155 | 1.208 | 1.261 | 1.315 | 1.368 | 1.421 | 1.474 | 1.527 | 1.580 |

续表 23

| $V \backslash H$<br>$D$ | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42 | 43 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 14                      |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 16                      |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 18                      |       |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 20                      | 0.446 |       |       |       |       |       |       |       |       |       |       |       |    |    |
| 22                      | 0.533 | 0.551 | 0.568 |       |       |       |       |       |       |       |       |       |    |    |
| 24                      | 0.628 | 0.648 | 0.668 | 0.689 | 0.709 |       |       |       |       |       |       |       |    |    |
| 26                      | 0.729 | 0.753 | 0.776 | 0.800 | 0.823 | 0.847 |       |       |       |       |       |       |    |    |
| 28                      | 0.838 | 0.865 | 0.892 | 0.919 | 0.946 | 0.973 | 1.000 |       |       |       |       |       |    |    |
| 30                      | 0.953 | 0.984 | 1.015 | 1.046 | 1.076 | 1.107 | 1.138 | 1.168 |       |       |       |       |    |    |
| 32                      | 1.075 | 1.110 | 1.145 | 1.180 | 1.215 | 1.249 | 1.284 | 1.319 | 1.353 |       |       |       |    |    |
| 34                      | 1.205 | 1.244 | 1.283 | 1.322 | 1.360 | 1.399 | 1.438 | 1.477 | 1.516 | 1.555 |       |       |    |    |
| 36                      | 1.341 | 1.384 | 1.427 | 1.471 | 1.514 | 1.557 | 1.601 | 1.644 | 1.687 | 1.730 | 1.773 | 1.816 |    |    |
| 38                      | 1.484 | 1.532 | 1.580 | 1.627 | 1.675 | 1.723 | 1.771 | 1.819 | 1.867 | 1.914 | 1.962 | 2.010 |    |    |
| 40                      | 1.633 | 1.686 | 1.739 | 1.792 | 1.844 | 1.897 | 1.950 | 2.002 | 2.055 | 2.107 | 2.160 | 2.212 |    |    |

续表 23

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.734 | 0.794 | 0.853 | 0.912 | 0.971 | 1.030 | 1.089 | 1.148 | 1.207 | 1.265 | 1.324 | 1.382 | 1.440 |
| 44                                        | 0.801 | 0.866 | 0.931 | 0.995 | 1.060 | 1.124 | 1.188 | 1.252 | 1.316 | 1.380 | 1.444 | 1.508 | 1.571 |
| 46                                        | 0.871 | 0.941 | 1.011 | 1.082 | 1.152 | 1.222 | 1.291 | 1.361 | 1.431 | 1.500 | 1.569 | 1.639 | 1.708 |
| 48                                        | 0.943 | 1.019 | 1.095 | 1.171 | 1.247 | 1.323 | 1.398 | 1.474 | 1.549 | 1.624 | 1.699 | 1.775 | 1.849 |
| 50                                        | 1.018 | 1.100 | 1.182 | 1.264 | 1.346 | 1.428 | 1.509 | 1.591 | 1.672 | 1.753 | 1.834 | 1.915 | 1.996 |
| 52                                        | 1.095 | 1.184 | 1.272 | 1.361 | 1.449 | 1.537 | 1.624 | 1.712 | 1.800 | 1.887 | 1.974 | 2.061 | 2.148 |
| 54                                        | 1.176 | 1.271 | 1.366 | 1.460 | 1.555 | 1.649 | 1.743 | 1.837 | 1.931 | 2.025 | 2.119 | 2.212 | 2.306 |
| 56                                        | 1.258 | 1.360 | 1.462 | 1.563 | 1.664 | 1.765 | 1.866 | 1.967 | 2.067 | 2.168 | 2.268 | 2.368 | 2.468 |
| 58                                        | 1.344 | 1.453 | 1.561 | 1.669 | 1.777 | 1.885 | 1.993 | 2.100 | 2.208 | 2.315 | 2.422 | 2.529 | 2.636 |
| 60                                        | 1.432 | 1.548 | 1.663 | 1.779 | 1.894 | 2.009 | 2.123 | 2.238 | 2.352 | 2.467 | 2.581 | 2.695 | 2.808 |
| 62                                        |       | 1.646 | 1.769 | 1.891 | 2.014 | 2.136 | 2.258 | 2.380 | 2.501 | 2.623 | 2.744 | 2.865 | 2.986 |
| 64                                        |       | 1.746 | 1.877 | 2.007 | 2.137 | 2.267 | 2.396 | 2.525 | 2.654 | 2.783 | 2.912 | 3.041 | 3.169 |
| 66                                        |       | 1.850 | 1.988 | 2.126 | 2.264 | 2.401 | 2.538 | 2.675 | 2.812 | 2.948 | 3.085 | 3.221 | 3.357 |
| 68                                        |       |       | 2.102 | 2.248 | 2.394 | 2.539 | 2.684 | 2.829 | 2.973 | 3.118 | 3.262 | 3.406 | 3.550 |
| 70                                        |       |       | 2.220 | 2.374 | 2.527 | 2.681 | 2.834 | 2.987 | 3.139 | 3.292 | 3.444 | 3.596 | 3.748 |
| 72                                        |       |       | 2.340 | 2.502 | 2.664 | 2.826 | 2.987 | 3.148 | 3.309 | 3.470 | 3.630 | 3.791 | 3.951 |
| 74                                        |       |       |       | 2.634 | 2.804 | 2.975 | 3.144 | 3.314 | 3.483 | 3.653 | 3.821 | 3.990 | 4.159 |
| 76                                        |       |       |       | 2.769 | 2.948 | 3.127 | 3.305 | 3.484 | 3.662 | 3.840 | 4.017 | 4.194 | 4.372 |
| 78                                        |       |       |       | 2.907 | 3.095 | 3.283 | 3.470 | 3.657 | 3.844 | 4.031 | 4.217 | 4.403 | 4.589 |
| 80                                        |       |       |       |       | 3.245 | 3.442 | 3.638 | 3.835 | 4.031 | 4.226 | 4.422 | 4.617 | 4.812 |
| 82                                        |       |       |       |       | 3.398 | 3.605 | 3.811 | 4.016 | 4.221 | 4.426 | 4.631 | 4.836 | 5.040 |
| 84                                        |       |       |       |       | 3.555 | 3.771 | 3.986 | 4.202 | 4.416 | 4.631 | 4.845 | 5.059 | 5.272 |
| 86                                        |       |       |       |       | 3.715 | 3.941 | 4.166 | 4.391 | 4.615 | 4.839 | 5.063 | 5.287 | 5.510 |

续表23

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 1.499 | 1.557 | 1.615 | 1.673 | 1.731 | 1.789 | 1.847 | 1.905 | 1.963 | 2.021 | 2.078 | 2.136 | 2.194 |
| 44                                                | 1.635 | 1.699 | 1.762 | 1.825 | 1.889 | 1.952 | 2.015 | 2.078 | 2.141 | 2.204 | 2.267 | 2.330 | 2.393 |
| 46                                                | 1.777 | 1.846 | 1.915 | 1.984 | 2.053 | 2.121 | 2.190 | 2.259 | 2.327 | 2.396 | 2.464 | 2.533 | 2.601 |
| 48                                                | 1.924 | 1.999 | 2.074 | 2.148 | 2.223 | 2.297 | 2.372 | 2.446 | 2.520 | 2.594 | 2.669 | 2.743 | 2.817 |
| 50                                                | 2.077 | 2.158 | 2.238 | 2.319 | 2.399 | 2.480 | 2.560 | 2.640 | 2.720 | 2.800 | 2.880 | 2.960 | 3.040 |
| 52                                                | 2.235 | 2.322 | 2.409 | 2.496 | 2.582 | 2.669 | 2.755 | 2.841 | 2.928 | 3.014 | 3.100 | 3.186 | 3.272 |
| 54                                                | 2.399 | 2.492 | 2.585 | 2.678 | 2.771 | 2.864 | 2.957 | 3.049 | 3.142 | 3.234 | 3.327 | 3.419 | 3.511 |
| 56                                                | 2.568 | 2.668 | 2.767 | 2.867 | 2.966 | 3.066 | 3.165 | 3.264 | 3.363 | 3.462 | 3.561 | 3.660 | 3.759 |
| 58                                                | 2.742 | 2.849 | 2.955 | 3.062 | 3.168 | 3.274 | 3.380 | 3.486 | 3.592 | 3.697 | 3.803 | 3.908 | 4.014 |
| 60                                                | 2.922 | 3.036 | 3.149 | 3.262 | 3.375 | 3.488 | 3.601 | 3.714 | 3.827 | 3.940 | 4.052 | 4.165 | 4.277 |
| 62                                                | 3.107 | 3.228 | 3.348 | 3.469 | 3.589 | 3.709 | 3.829 | 3.949 | 4.069 | 4.189 | 4.309 | 4.428 | 4.548 |
| 64                                                | 3.297 | 3.425 | 3.553 | 3.681 | 3.809 | 3.936 | 4.064 | 4.191 | 4.318 | 4.446 | 4.573 | 4.699 | 4.826 |
| 66                                                | 3.493 | 3.628 | 3.764 | 3.899 | 4.035 | 4.170 | 4.305 | 4.440 | 4.574 | 4.709 | 4.844 | 4.978 | 5.112 |
| 68                                                | 3.694 | 3.837 | 3.980 | 4.124 | 4.267 | 4.409 | 4.552 | 4.695 | 4.837 | 4.980 | 5.122 | 5.264 | 5.406 |
| 70                                                | 3.899 | 4.051 | 4.202 | 4.353 | 4.504 | 4.655 | 4.806 | 4.957 | 5.107 | 5.258 | 5.408 | 5.558 | 5.708 |
| 72                                                | 4.111 | 4.270 | 4.430 | 4.589 | 4.748 | 4.907 | 5.066 | 5.225 | 5.384 | 5.542 | 5.701 | 5.859 | 6.017 |
| 74                                                | 4.327 | 4.495 | 4.663 | 4.831 | 4.998 | 5.166 | 5.333 | 5.500 | 5.667 | 5.834 | 6.001 | 6.167 | 6.334 |
| 76                                                | 4.548 | 4.725 | 4.902 | 5.078 | 5.254 | 5.430 | 5.606 | 5.782 | 5.957 | 6.133 | 6.308 | 6.483 | 6.658 |
| 78                                                | 4.775 | 4.961 | 5.146 | 5.331 | 5.516 | 5.701 | 5.885 | 6.070 | 6.254 | 6.438 | 6.622 | 6.806 | 6.989 |
| 80                                                | 5.007 | 5.201 | 5.396 | 5.590 | 5.784 | 5.977 | 6.171 | 6.364 | 6.558 | 6.751 | 6.943 | 7.136 | 7.329 |
| 82                                                | 5.244 | 5.447 | 5.651 | 5.854 | 6.057 | 6.260 | 6.463 | 6.665 | 6.868 | 7.070 | 7.272 | 7.474 | 7.675 |
| 84                                                | 5.486 | 5.699 | 5.912 | 6.124 | 6.337 | 6.549 | 6.761 | 6.973 | 7.185 | 7.396 | 7.607 | 7.819 | 8.030 |
| 86                                                | 5.733 | 5.955 | 6.178 | 6.400 | 6.622 | 6.844 | 7.066 | 7.287 | 7.508 | 7.729 | 7.950 | 8.171 | 8.391 |

续表23

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45     | 46     | 47     | 48     | 49     | 50     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 42                                        | 2.251 | 2.309 | 2.366 | 2.424 | 2.481 | 2.539 |       |        |        |        |        |        |        |
| 44                                        | 2.456 | 2.519 | 2.582 | 2.644 | 2.707 | 2.770 | 2.832 |        |        |        |        |        |        |
| 46                                        | 2.669 | 2.737 | 2.806 | 2.874 | 2.942 | 3.010 | 3.078 | 3.146  |        |        |        |        |        |
| 48                                        | 2.891 | 2.964 | 3.038 | 3.112 | 3.186 | 3.260 | 3.333 | 3.407  | 3.480  |        |        |        |        |
| 50                                        | 3.120 | 3.200 | 3.280 | 3.359 | 3.439 | 3.518 | 3.598 | 3.677  | 3.757  | 3.836  |        |        |        |
| 52                                        | 3.358 | 3.444 | 3.529 | 3.615 | 3.701 | 3.786 | 3.872 | 3.957  | 4.043  | 4.128  | 4.214  |        |        |
| 54                                        | 3.604 | 3.696 | 3.788 | 3.880 | 3.972 | 4.064 | 4.155 | 4.247  | 4.339  | 4.431  | 4.522  | 4.614  |        |
| 56                                        | 3.858 | 3.956 | 4.055 | 4.153 | 4.252 | 4.350 | 4.448 | 4.546  | 4.645  | 4.743  | 4.841  | 4.939  | 5.037  |
| 58                                        | 4.119 | 4.225 | 4.330 | 4.435 | 4.540 | 4.645 | 4.750 | 4.855  | 4.960  | 5.065  | 5.169  | 5.274  | 5.379  |
| 60                                        | 4.389 | 4.502 | 4.614 | 4.726 | 4.838 | 4.950 | 5.061 | 5.173  | 5.285  | 5.396  | 5.509  | 5.620  | 5.731  |
| 62                                        | 4.667 | 4.787 | 4.906 | 5.025 | 5.144 | 5.263 | 5.382 | 5.501  | 5.619  | 5.730  | 5.857  | 5.975  | 6.094  |
| 64                                        | 4.953 | 5.080 | 5.206 | 5.333 | 5.459 | 5.585 | 5.711 | 5.837  | 5.964  | 6.089  | 6.215  | 6.341  | 6.467  |
| 66                                        | 5.247 | 5.381 | 5.515 | 5.649 | 5.783 | 5.916 | 6.050 | 6.184  | 6.317  | 6.451  | 6.584  | 6.717  | 6.850  |
| 68                                        | 5.548 | 5.690 | 5.832 | 5.973 | 6.115 | 6.256 | 6.398 | 6.539  | 6.680  | 6.821  | 6.962  | 7.103  | 7.244  |
| 70                                        | 5.858 | 6.007 | 6.157 | 6.307 | 6.456 | 6.605 | 6.755 | 6.904  | 7.053  | 7.202  | 7.351  | 7.499  | 7.648  |
| 72                                        | 6.175 | 6.333 | 6.490 | 6.648 | 6.806 | 6.963 | 7.120 | 7.278  | 7.435  | 7.592  | 7.749  | 7.905  | 8.062  |
| 74                                        | 6.500 | 6.666 | 6.832 | 6.998 | 7.164 | 7.329 | 7.495 | 7.661  | 7.826  | 7.991  | 8.156  | 8.321  | 8.486  |
| 76                                        | 6.833 | 7.007 | 7.182 | 7.356 | 7.530 | 7.705 | 7.879 | 8.053  | 8.227  | 8.400  | 8.574  | 8.747  | 8.921  |
| 78                                        | 7.173 | 7.356 | 7.540 | 7.723 | 7.906 | 8.089 | 8.271 | 8.454  | 8.636  | 8.819  | 9.001  | 9.183  | 9.365  |
| 80                                        | 7.521 | 7.713 | 7.906 | 8.098 | 8.289 | 8.481 | 8.673 | 8.864  | 9.056  | 9.247  | 9.438  | 9.629  | 9.820  |
| 82                                        | 7.877 | 8.078 | 8.280 | 8.481 | 8.682 | 8.882 | 9.083 | 9.284  | 9.484  | 9.684  | 9.884  | 10.085 | 10.284 |
| 84                                        | 8.240 | 8.451 | 8.662 | 8.872 | 9.082 | 9.292 | 9.502 | 9.712  | 9.922  | 10.131 | 10.341 | 10.550 | 10.759 |
| 86                                        | 8.611 | 8.832 | 9.052 | 9.271 | 9.491 | 9.711 | 9.930 | 10.149 | 10.368 | 10.587 | 10.806 | 11.025 | 11.244 |



## 二十五、黄山松二元立木材积表

$$V = 0.000062654183 D^{1.0540889} H^{0.88521176}$$

表24

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 |       |       |       |
| 6                                      | 0.004 | 0.005 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.017 | 0.019 | 0.020 |
| 8                                      | 0.007 | 0.010 | 0.012 | 0.015 | 0.018 | 0.020 | 0.023 | 0.025 | 0.028 | 0.030 | 0.033 | 0.035 |
| 10                                     | 0.010 | 0.015 | 0.019 | 0.023 | 0.028 | 0.032 | 0.036 | 0.039 | 0.043 | 0.047 | 0.051 | 0.055 |
| 12                                     |       | 0.021 | 0.027 | 0.033 | 0.039 | 0.045 | 0.051 | 0.056 | 0.062 | 0.067 | 0.073 | 0.078 |
| 14                                     |       | 0.029 | 0.037 | 0.045 | 0.053 | 0.061 | 0.069 | 0.076 | 0.084 | 0.091 | 0.098 | 0.105 |
| 16                                     |       | 0.037 | 0.048 | 0.059 | 0.069 | 0.079 | 0.089 | 0.099 | 0.103 | 0.118 | 0.127 | 0.137 |
| 18                                     |       |       | 0.061 | 0.074 | 0.087 | 0.100 | 0.112 | 0.124 | 0.136 | 0.148 | 0.160 | 0.172 |
| 20                                     |       |       | 0.075 | 0.091 | 0.107 | 0.122 | 0.138 | 0.153 | 0.168 | 0.182 | 0.197 | 0.212 |
| 22                                     |       |       |       | 0.109 | 0.129 | 0.147 | 0.166 | 0.184 | 0.202 | 0.220 | 0.237 | 0.255 |
| 24                                     |       |       |       | 0.130 | 0.152 | 0.175 | 0.197 | 0.218 | 0.239 | 0.261 | 0.281 | 0.302 |
| 26                                     |       |       |       |       | 0.178 | 0.204 | 0.230 | 0.255 | 0.280 | 0.305 | 0.329 | 0.353 |
| 28                                     |       |       |       |       | 0.206 | 0.236 | 0.266 | 0.295 | 0.324 | 0.352 | 0.380 | 0.408 |
| 30                                     |       |       |       |       |       | 0.270 | 0.304 | 0.337 | 0.370 | 0.403 | 0.435 | 0.467 |
| 32                                     |       |       |       |       |       | 0.306 | 0.345 | 0.383 | 0.420 | 0.457 | 0.494 | 0.530 |
| 34                                     |       |       |       |       |       |       | 0.388 | 0.431 | 0.473 | 0.515 | 0.556 | 0.597 |
| 36                                     |       |       |       |       |       |       | 0.434 | 0.482 | 0.529 | 0.575 | 0.621 | 0.667 |
| 38                                     |       |       |       |       |       |       |       | 0.535 | 0.588 | 0.639 | 0.691 | 0.741 |
| 40                                     |       |       |       |       |       |       |       | 0.592 | 0.650 | 0.707 | 0.763 | 0.820 |
| 42                                     |       |       |       |       |       |       |       |       | 0.715 | 0.778 | 0.840 | 0.902 |
| 44                                     |       |       |       |       |       |       |       |       | 0.783 | 0.852 | 0.920 | 0.987 |
| 46                                     |       |       |       |       |       |       |       |       |       | 0.929 | 1.003 | 1.077 |

续表24

| $V \backslash H$<br>$D$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       | 0.038 | 0.040 |       |       |       |       |       |       |       |       |       |       |
| 10                      | 0.058 | 0.062 | 0.066 | 0.069 |       |       |       |       |       |       |       |       |
| 12                      | 0.083 | 0.088 | 0.094 | 0.099 | 0.104 |       |       |       |       |       |       |       |
| 14                      | 0.112 | 0.120 | 0.127 | 0.134 | 0.141 | 0.147 | 0.154 |       |       |       |       |       |
| 16                      | 0.146 | 0.155 | 0.164 | 0.173 | 0.182 | 0.191 | 0.200 | 0.209 | 0.218 |       |       |       |
| 18                      | 0.184 | 0.195 | 0.207 | 0.218 | 0.230 | 0.241 | 0.252 | 0.263 | 0.274 | 0.285 | 0.296 |       |
| 20                      | 0.226 | 0.240 | 0.254 | 0.268 | 0.282 | 0.296 | 0.310 | 0.323 | 0.337 | 0.350 | 0.364 | 0.377 |
| 22                      | 0.272 | 0.289 | 0.306 | 0.323 | 0.340 | 0.357 | 0.373 | 0.390 | 0.406 | 0.422 | 0.438 | 0.455 |
| 24                      | 0.323 | 0.343 | 0.363 | 0.383 | 0.403 | 0.423 | 0.442 | 0.462 | 0.481 | 0.500 | 0.520 | 0.539 |
| 26                      | 0.377 | 0.401 | 0.424 | 0.448 | 0.471 | 0.494 | 0.517 | 0.540 | 0.563 | 0.585 | 0.608 | 0.630 |
| 28                      | 0.436 | 0.463 | 0.491 | 0.518 | 0.544 | 0.571 | 0.598 | 0.624 | 0.650 | 0.676 | 0.702 | 0.728 |
| 30                      | 0.499 | 0.530 | 0.561 | 0.592 | 0.623 | 0.654 | 0.684 | 0.714 | 0.744 | 0.774 | 0.804 | 0.833 |
| 32                      | 0.566 | 0.601 | 0.637 | 0.672 | 0.707 | 0.741 | 0.776 | 0.810 | 0.844 | 0.878 | 0.912 | 0.945 |
| 34                      | 0.637 | 0.677 | 0.717 | 0.756 | 0.796 | 0.835 | 0.873 | 0.912 | 0.950 | 0.989 | 1.026 | 1.064 |
| 36                      | 0.712 | 0.757 | 0.802 | 0.846 | 0.890 | 0.933 | 0.977 | 1.020 | 1.063 | 1.105 | 1.148 | 1.190 |
| 38                      | 0.792 | 0.841 | 0.891 | 0.940 | 0.989 | 1.037 | 1.086 | 1.133 | 1.181 | 1.228 | 1.276 | 1.323 |
| 40                      | 0.875 | 0.930 | 0.985 | 1.039 | 1.093 | 1.147 | 1.200 | 1.253 | 1.306 | 1.358 | 1.410 | 1.462 |
| 42                      | 0.963 | 1.023 | 1.083 | 1.143 | 1.202 | 1.261 | 1.320 | 1.378 | 1.436 | 1.494 | 1.551 | 1.608 |
| 44                      | 1.054 | 1.121 | 1.187 | 1.252 | 1.317 | 1.381 | 1.446 | 1.509 | 1.573 | 1.636 | 1.699 | 1.761 |
| 46                      | 1.150 | 1.222 | 1.294 | 1.366 | 1.436 | 1.507 | 1.577 | 1.646 | 1.716 | 1.784 | 1.853 | 1.921 |

## 二十六、北亚热带阔叶树二元立木材积表

$$V = 0.000050479055 D^{1.9085054} H^{0.99078507}$$

表 25

| $\begin{matrix} V & H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |
| 4                                        | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |
| 6                                        | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.020 |
| 8                                        |       | 0.008 | 0.011 | 0.013 | 0.016 | 0.018 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.034 |
| 10                                       |       | 0.012 | 0.016 | 0.020 | 0.024 | 0.028 | 0.032 | 0.036 | 0.040 | 0.044 | 0.048 | 0.052 |
| 12                                       |       |       | 0.023 | 0.029 | 0.034 | 0.040 | 0.045 | 0.051 | 0.057 | 0.062 | 0.068 | 0.074 |
| 14                                       |       |       | 0.031 | 0.038 | 0.046 | 0.053 | 0.061 | 0.069 | 0.076 | 0.084 | 0.091 | 0.099 |
| 16                                       |       |       |       | 0.049 | 0.059 | 0.069 | 0.079 | 0.088 | 0.098 | 0.108 | 0.118 | 0.127 |
| 18                                       |       |       |       | 0.062 | 0.074 | 0.086 | 0.099 | 0.111 | 0.123 | 0.135 | 0.147 | 0.159 |
| 20                                       |       |       |       |       | 0.091 | 0.106 | 0.120 | 0.135 | 0.150 | 0.165 | 0.180 | 0.195 |
| 22                                       |       |       |       |       | 0.109 | 0.127 | 0.145 | 0.162 | 0.180 | 0.198 | 0.216 | 0.234 |
| 24                                       |       |       |       |       |       | 0.149 | 0.171 | 0.192 | 0.213 | 0.234 | 0.255 | 0.276 |
| 26                                       |       |       |       |       |       | 0.174 | 0.199 | 0.223 | 0.248 | 0.273 | 0.297 | 0.322 |
| 28                                       |       |       |       |       |       |       | 0.229 | 0.257 | 0.286 | 0.314 | 0.342 | 0.370 |
| 30                                       |       |       |       |       |       |       | 0.261 | 0.294 | 0.326 | 0.358 | 0.390 | 0.423 |
| 32                                       |       |       |       |       |       |       |       | 0.332 | 0.369 | 0.405 | 0.441 | 0.478 |
| 34                                       |       |       |       |       |       |       |       | 0.373 | 0.414 | 0.455 | 0.496 | 0.537 |
| 36                                       |       |       |       |       |       |       |       |       | 0.461 | 0.507 | 0.553 | 0.598 |
| 38                                       |       |       |       |       |       |       |       |       | 0.512 | 0.562 | 0.613 | 0.663 |
| 40                                       |       |       |       |       |       |       |       |       | 0.564 | 0.620 | 0.676 | 0.732 |

续表 25

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.036 | 0.039 | 0.042 |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.056 | 0.060 | 0.064 | 0.068 | 0.072 | 0.076 | 0.080 |       |       |       |       |       |
| 12                                        | 0.079 | 0.085 | 0.090 | 0.096 | 0.101 | 0.107 | 0.113 | 0.118 | 0.124 |       |       |       |
| 14                                        | 0.106 | 0.114 | 0.121 | 0.129 | 0.136 | 0.144 | 0.151 | 0.159 | 0.166 | 0.174 |       |       |
| 16                                        | 0.137 | 0.147 | 0.156 | 0.166 | 0.176 | 0.185 | 0.195 | 0.205 | 0.214 | 0.224 | 0.234 |       |
| 18                                        | 0.172 | 0.184 | 0.196 | 0.208 | 0.220 | 0.232 | 0.244 | 0.256 | 0.268 | 0.281 | 0.293 | 0.305 |
| 20                                        | 0.210 | 0.225 | 0.239 | 0.254 | 0.269 | 0.284 | 0.299 | 0.313 | 0.328 | 0.343 | 0.358 | 0.373 |
| 22                                        | 0.252 | 0.269 | 0.287 | 0.305 | 0.323 | 0.340 | 0.358 | 0.376 | 0.394 | 0.411 | 0.429 | 0.447 |
| 24                                        | 0.297 | 0.318 | 0.339 | 0.360 | 0.381 | 0.402 | 0.423 | 0.444 | 0.465 | 0.486 | 0.507 | 0.528 |
| 26                                        | 0.346 | 0.371 | 0.395 | 0.419 | 0.444 | 0.468 | 0.493 | 0.517 | 0.542 | 0.566 | 0.590 | 0.615 |
| 28                                        | 0.399 | 0.427 | 0.455 | 0.483 | 0.511 | 0.539 | 0.568 | 0.596 | 0.624 | 0.652 | 0.680 | 0.708 |
| 30                                        | 0.455 | 0.487 | 0.519 | 0.551 | 0.583 | 0.615 | 0.647 | 0.680 | 0.712 | 0.744 | 0.776 | 0.808 |
| 32                                        | 0.514 | 0.551 | 0.587 | 0.623 | 0.660 | 0.696 | 0.732 | 0.769 | 0.805 | 0.841 | 0.877 | 0.914 |
| 34                                        | 0.577 | 0.618 | 0.659 | 0.700 | 0.741 | 0.781 | 0.822 | 0.863 | 0.904 | 0.944 | 0.985 | 1.026 |
| 36                                        | 0.644 | 0.690 | 0.735 | 0.781 | 0.826 | 0.871 | 0.917 | 0.962 | 1.008 | 1.053 | 1.098 | 1.144 |
| 38                                        | 0.714 | 0.764 | 0.815 | 0.865 | 0.916 | 0.966 | 1.017 | 1.067 | 1.117 | 1.168 | 1.218 | 1.268 |
| 40                                        | 0.787 | 0.843 | 0.899 | 0.954 | 1.010 | 1.066 | 1.121 | 1.177 | 1.232 | 1.288 | 1.343 | 1.399 |

续表 25

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                                                 |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                                                 |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                                                 |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                                                 |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                                                |       |       |       |       |       |       |       |       |       |       |  |  |
| 12                                                |       |       |       |       |       |       |       |       |       |       |  |  |
| 14                                                |       |       |       |       |       |       |       |       |       |       |  |  |
| 16                                                |       |       |       |       |       |       |       |       |       |       |  |  |
| 18                                                |       |       |       |       |       |       |       |       |       |       |  |  |
| 20                                                | 0.387 |       |       |       |       |       |       |       |       |       |  |  |
| 22                                                | 0.465 | 0.482 |       |       |       |       |       |       |       |       |  |  |
| 24                                                | 0.543 | 0.569 | 0.590 | 0.611 |       |       |       |       |       |       |  |  |
| 26                                                | 0.639 | 0.663 | 0.688 | 0.712 | 0.736 | 0.761 |       |       |       |       |  |  |
| 28                                                | 0.736 | 0.764 | 0.792 | 0.820 | 0.848 | 0.876 | 0.904 | 0.932 |       |       |  |  |
| 30                                                | 0.840 | 0.872 | 0.904 | 0.936 | 0.968 | 1.000 | 1.031 | 1.063 | 1.095 | 1.127 |  |  |
| 32                                                | 0.950 | 0.986 | 1.022 | 1.058 | 1.094 | 1.131 | 1.167 | 1.203 | 1.239 | 1.275 |  |  |
| 34                                                | 1.066 | 1.107 | 1.147 | 1.188 | 1.229 | 1.269 | 1.310 | 1.350 | 1.391 | 1.431 |  |  |
| 36                                                | 1.189 | 1.234 | 1.280 | 1.325 | 1.370 | 1.416 | 1.461 | 1.506 | 1.551 | 1.596 |  |  |
| 38                                                | 1.318 | 1.369 | 1.419 | 1.469 | 1.519 | 1.569 | 1.620 | 1.670 | 1.720 | 1.770 |  |  |
| 40                                                | 1.454 | 1.509 | 1.565 | 1.620 | 1.675 | 1.731 | 1.786 | 1.841 | 1.897 | 1.952 |  |  |

续表25

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                | 0.681 | 0.742 | 0.803 | 0.864 | 0.925 | 0.986 | 1.048 | 1.109 | 1.170 | 1.231 | 1.292 | 1.352 | 1.413 |
| 44                                                | 0.744 | 0.811 | 0.878 | 0.944 | 1.011 | 1.078 | 1.145 | 1.212 | 1.278 | 1.345 | 1.411 | 1.478 | 1.545 |
| 46                                                | 0.810 | 0.882 | 0.955 | 1.028 | 1.101 | 1.174 | 1.246 | 1.319 | 1.391 | 1.464 | 1.536 | 1.609 | 1.681 |
| 48                                                |       | 0.957 | 1.036 | 1.115 | 1.194 | 1.273 | 1.352 | 1.430 | 1.509 | 1.588 | 1.666 | 1.745 | 1.824 |
| 50                                                |       | 1.035 | 1.120 | 1.205 | 1.291 | 1.376 | 1.461 | 1.546 | 1.631 | 1.716 | 1.801 | 1.886 | 1.971 |
| 52                                                |       | 1.115 | 1.207 | 1.299 | 1.391 | 1.483 | 1.575 | 1.666 | 1.758 | 1.850 | 1.941 | 2.033 | 2.125 |
| 54                                                |       |       | 1.297 | 1.396 | 1.495 | 1.594 | 1.692 | 1.791 | 1.889 | 1.988 | 2.086 | 2.185 | 2.283 |
| 56                                                |       |       | 1.391 | 1.497 | 1.602 | 1.708 | 1.814 | 1.920 | 2.025 | 2.131 | 2.236 | 2.342 | 2.447 |
| 58                                                |       |       | 1.487 | 1.600 | 1.713 | 1.827 | 1.940 | 2.053 | 2.166 | 2.278 | 2.391 | 2.504 | 2.617 |
| 60                                                |       |       |       | 1.707 | 1.828 | 1.949 | 2.069 | 2.190 | 2.310 | 2.431 | 2.551 | 2.671 | 2.792 |
| 62                                                |       |       |       | 1.817 | 1.946 | 2.074 | 2.203 | 2.331 | 2.459 | 2.588 | 2.716 | 2.844 | 2.972 |
| 64                                                |       |       |       | 1.931 | 2.068 | 2.204 | 2.340 | 2.477 | 2.613 | 2.749 | 2.886 | 3.022 | 3.158 |
| 66                                                |       |       |       | 2.048 | 2.193 | 2.337 | 2.482 | 2.627 | 2.771 | 2.916 | 3.060 | 3.204 | 3.349 |
| 68                                                |       |       |       | 2.168 | 2.321 | 2.474 | 2.628 | 2.781 | 2.934 | 3.087 | 3.239 | 3.392 | 3.545 |
| 70                                                |       |       |       |       | 2.453 | 2.615 | 2.777 | 2.939 | 3.101 | 3.262 | 3.424 | 3.585 | 3.747 |
| 72                                                |       |       |       |       | 2.589 | 2.760 | 2.930 | 3.101 | 3.272 | 3.442 | 3.613 | 3.783 | 3.954 |
| 74                                                |       |       |       |       | 2.728 | 2.908 | 3.088 | 3.268 | 3.447 | 3.627 | 3.807 | 3.986 | 4.166 |
| 76                                                |       |       |       |       | 2.870 | 3.060 | 3.249 | 3.438 | 3.627 | 3.817 | 4.006 | 4.194 | 4.383 |
| 78                                                |       |       |       |       | 3.016 | 3.215 | 3.414 | 3.613 | 3.812 | 4.011 | 4.209 | 4.408 | 4.606 |
| 80                                                |       |       |       |       | 3.165 | 3.374 | 3.583 | 3.792 | 4.000 | 4.209 | 4.418 | 4.626 | 4.834 |

续表25

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 42                                        | 1.474 | 1.535 | 1.596 | 1.657 | 1.717 | 1.778 | 1.839 | 1.900 | 1.960 | 2.021 | 2.082 | 2.142 |  |
| 44                                        | 1.611 | 1.678 | 1.744 | 1.810 | 1.877 | 1.943 | 2.010 | 2.076 | 2.142 | 2.209 | 2.275 | 2.341 |  |
| 46                                        | 1.754 | 1.826 | 1.898 | 1.971 | 2.043 | 2.115 | 2.188 | 2.260 | 2.332 | 2.404 | 2.476 | 2.549 |  |
| 48                                        | 1.902 | 1.981 | 2.059 | 2.138 | 2.216 | 2.294 | 2.373 | 2.451 | 2.529 | 2.608 | 2.686 | 2.764 |  |
| 50                                        | 2.056 | 2.141 | 2.226 | 2.311 | 2.396 | 2.480 | 2.565 | 2.650 | 2.734 | 2.819 | 2.904 | 2.988 |  |
| 52                                        | 2.216 | 2.308 | 2.399 | 2.490 | 2.582 | 2.673 | 2.764 | 2.856 | 2.947 | 3.038 | 3.129 | 3.220 |  |
| 54                                        | 2.382 | 2.480 | 2.578 | 2.676 | 2.775 | 2.873 | 2.971 | 3.069 | 3.167 | 3.265 | 3.363 | 3.461 |  |
| 56                                        | 2.553 | 2.658 | 2.763 | 2.869 | 2.974 | 3.079 | 3.184 | 3.289 | 3.395 | 3.500 | 3.605 | 3.710 |  |
| 58                                        | 2.730 | 2.842 | 2.955 | 3.067 | 3.180 | 3.292 | 3.405 | 3.517 | 3.630 | 3.742 | 3.854 | 3.967 |  |
| 60                                        | 2.912 | 3.032 | 3.152 | 3.272 | 3.392 | 3.512 | 3.632 | 3.752 | 3.872 | 3.992 | 4.112 | 4.232 |  |
| 62                                        | 3.100 | 3.228 | 3.356 | 3.484 | 3.612 | 3.739 | 3.867 | 3.995 | 4.122 | 4.250 | 4.378 | 4.505 |  |
| 64                                        | 3.294 | 3.430 | 3.566 | 3.701 | 3.837 | 3.973 | 4.109 | 4.244 | 4.380 | 4.516 | 4.651 | 4.787 |  |
| 66                                        | 3.493 | 3.637 | 3.781 | 3.925 | 4.069 | 4.213 | 4.357 | 4.501 | 4.645 | 4.789 | 4.932 | 5.076 |  |
| 68                                        | 3.698 | 3.850 | 4.003 | 4.155 | 4.308 | 4.460 | 4.613 | 4.765 | 4.917 | 5.069 | 5.222 | 5.374 |  |
| 70                                        | 3.908 | 4.069 | 4.231 | 4.392 | 4.553 | 4.714 | 4.875 | 5.036 | 5.197 | 5.358 | 5.519 | 5.679 |  |
| 72                                        | 4.124 | 4.294 | 4.464 | 4.634 | 4.804 | 4.974 | 5.144 | 5.314 | 5.484 | 5.654 | 5.823 | 5.993 |  |
| 74                                        | 4.345 | 4.525 | 4.704 | 4.883 | 5.062 | 5.241 | 5.420 | 5.599 | 5.778 | 5.957 | 6.136 | 6.315 |  |
| 76                                        | 4.572 | 4.761 | 4.949 | 5.138 | 5.327 | 5.515 | 5.703 | 5.892 | 6.080 | 6.268 | 6.456 | 6.645 |  |
| 78                                        | 4.805 | 5.003 | 5.201 | 5.399 | 5.597 | 5.795 | 5.993 | 6.191 | 6.389 | 6.587 | 6.785 | 6.982 |  |
| 80                                        | 5.042 | 5.250 | 5.459 | 5.666 | 5.874 | 6.082 | 6.290 | 6.498 | 6.705 | 6.913 | 7.120 | 7.328 |  |

## 二十七、亚热带阔叶树二元立木材积表

$$V = 0.000052764291 D^{1.3821611} H^{1.0093166}$$

表 26

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |
| 4                                         | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.010 |
| 6                                         | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 | 0.020 |
| 8                                         | 0.005 | 0.008 | 0.011 | 0.013 | 0.016 | 0.019 | 0.022 | 0.024 | 0.027 | 0.030 | 0.032 | 0.035 |
| 10                                        |       | 0.012 | 0.016 | 0.020 | 0.025 | 0.029 | 0.033 | 0.037 | 0.041 | 0.045 | 0.049 | 0.054 |
| 12                                        |       | 0.017 | 0.023 | 0.029 | 0.035 | 0.040 | 0.046 | 0.052 | 0.058 | 0.064 | 0.070 | 0.075 |
| 14                                        |       |       | 0.031 | 0.038 | 0.046 | 0.054 | 0.062 | 0.070 | 0.077 | 0.085 | 0.093 | 0.101 |
| 16                                        |       |       |       | 0.049 | 0.059 | 0.069 | 0.079 | 0.089 | 0.100 | 0.110 | 0.120 | 0.130 |
| 18                                        |       |       |       | 0.062 | 0.074 | 0.087 | 0.099 | 0.112 | 0.124 | 0.137 | 0.149 | 0.162 |
| 20                                        |       |       |       | 0.075 | 0.090 | 0.106 | 0.121 | 0.136 | 0.151 | 0.167 | 0.182 | 0.197 |
| 22                                        |       |       |       |       | 0.108 | 0.126 | 0.145 | 0.163 | 0.181 | 0.200 | 0.218 | 0.236 |
| 24                                        |       |       |       |       | 0.128 | 0.149 | 0.170 | 0.192 | 0.214 | 0.235 | 0.257 | 0.278 |
| 26                                        |       |       |       |       | 0.148 | 0.173 | 0.198 | 0.223 | 0.248 | 0.273 | 0.298 | 0.323 |
| 28                                        |       |       |       |       |       | 0.199 | 0.228 | 0.257 | 0.285 | 0.314 | 0.343 | 0.372 |
| 30                                        |       |       |       |       |       | 0.227 | 0.259 | 0.292 | 0.325 | 0.358 | 0.391 | 0.423 |
| 32                                        |       |       |       |       |       | 0.256 | 0.293 | 0.330 | 0.367 | 0.404 | 0.441 | 0.478 |
| 34                                        |       |       |       |       |       |       | 0.328 | 0.370 | 0.411 | 0.453 | 0.494 | 0.536 |
| 36                                        |       |       |       |       |       |       | 0.366 | 0.412 | 0.458 | 0.504 | 0.551 | 0.597 |
| 38                                        |       |       |       |       |       |       |       | 0.456 | 0.507 | 0.558 | 0.610 | 0.661 |
| 40                                        |       |       |       |       |       |       |       | 0.502 | 0.558 | 0.615 | 0.671 | 0.728 |



续表 26

| $V \backslash H$<br>$D$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.003 | 0.003 | 0.003 |       |       |       |       |       |       |       |       |       |
| 4                       | 0.010 | 0.011 | 0.012 | 0.013 |       |       |       |       |       |       |       |       |
| 6                       | 0.022 | 0.024 | 0.025 | 0.027 | 0.028 |       |       |       |       |       |       |       |
| 8                       | 0.033 | 0.041 | 0.043 | 0.046 | 0.049 | 0.052 |       |       |       |       |       |       |
| 10                      | 0.058 | 0.062 | 0.066 | 0.070 | 0.074 | 0.079 | 0.083 |       |       |       |       |       |
| 12                      | 0.081 | 0.087 | 0.093 | 0.099 | 0.105 | 0.111 | 0.117 | 0.122 |       |       |       |       |
| 14                      | 0.109 | 0.117 | 0.124 | 0.132 | 0.140 | 0.148 | 0.156 | 0.164 | 0.172 |       |       |       |
| 16                      | 0.140 | 0.150 | 0.160 | 0.170 | 0.180 | 0.190 | 0.200 | 0.210 | 0.221 | 0.231 |       |       |
| 18                      | 0.174 | 0.187 | 0.200 | 0.212 | 0.225 | 0.237 | 0.250 | 0.263 | 0.275 | 0.288 | 0.301 |       |
| 20                      | 0.213 | 0.228 | 0.243 | 0.259 | 0.274 | 0.290 | 0.305 | 0.320 | 0.336 | 0.351 | 0.367 | 0.382 |
| 22                      | 0.255 | 0.273 | 0.291 | 0.310 | 0.328 | 0.346 | 0.365 | 0.383 | 0.402 | 0.420 | 0.439 | 0.457 |
| 24                      | 0.300 | 0.321 | 0.343 | 0.365 | 0.386 | 0.408 | 0.430 | 0.452 | 0.473 | 0.495 | 0.517 | 0.538 |
| 26                      | 0.349 | 0.374 | 0.399 | 0.424 | 0.449 | 0.474 | 0.500 | 0.525 | 0.550 | 0.575 | 0.601 | 0.626 |
| 28                      | 0.401 | 0.430 | 0.459 | 0.488 | 0.517 | 0.545 | 0.574 | 0.603 | 0.632 | 0.662 | 0.691 | 0.720 |
| 30                      | 0.456 | 0.489 | 0.522 | 0.555 | 0.588 | 0.621 | 0.654 | 0.687 | 0.720 | 0.753 | 0.786 | 0.819 |
| 32                      | 0.515 | 0.552 | 0.590 | 0.627 | 0.664 | 0.701 | 0.739 | 0.776 | 0.813 | 0.851 | 0.888 | 0.925 |
| 34                      | 0.578 | 0.619 | 0.661 | 0.703 | 0.744 | 0.786 | 0.828 | 0.870 | 0.912 | 0.953 | 0.995 | 1.037 |
| 36                      | 0.643 | 0.690 | 0.736 | 0.782 | 0.829 | 0.875 | 0.922 | 0.968 | 1.015 | 1.062 | 1.108 | 1.155 |
| 38                      | 0.712 | 0.763 | 0.815 | 0.866 | 0.918 | 0.969 | 1.021 | 1.072 | 1.024 | 1.175 | 1.227 | 1.279 |
| 40                      | 0.784 | 0.841 | 0.897 | 0.954 | 1.011 | 1.067 | 1.124 | 1.181 | 1.238 | 1.294 | 1.351 | 1.408 |

续表 26

| $V \backslash H$<br>$D$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                       |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 12                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 14                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 16                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 18                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 20                      |       |       |       |       |       |       |       |       |       |       |  |  |
| 22                      | 0.476 |       |       |       |       |       |       |       |       |       |  |  |
| 24                      | 0.560 | 0.582 | 0.604 |       |       |       |       |       |       |       |  |  |
| 26                      | 0.651 | 0.676 | 0.702 | 0.727 | 0.752 |       |       |       |       |       |  |  |
| 28                      | 0.749 | 0.778 | 0.807 | 0.836 | 0.865 | 0.894 |       |       |       |       |  |  |
| 30                      | 0.852 | 0.886 | 0.919 | 0.952 | 0.985 | 1.018 |       |       |       |       |  |  |
| 32                      | 0.963 | 1.000 | 1.037 | 1.075 | 1.112 | 1.150 | 1.187 |       |       |       |  |  |
| 34                      | 1.079 | 1.121 | 1.163 | 1.205 | 1.247 | 1.289 | 1.330 | 1.372 |       |       |  |  |
| 36                      | 1.201 | 1.248 | 1.295 | 1.341 | 1.388 | 1.435 | 1.482 | 1.528 | 1.575 | 1.622 |  |  |
| 38                      | 1.330 | 1.382 | 1.433 | 1.485 | 1.537 | 1.589 | 1.640 | 1.692 | 1.744 | 1.796 |  |  |
| 40                      | 1.465 | 1.522 | 1.579 | 1.636 | 1.693 | 1.750 | 1.807 | 1.864 | 1.921 | 1.978 |  |  |

续表 26

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.612 | 0.674 | 0.736 | 0.798 | 0.860 | 0.922 | 0.984 | 1.046 | 1.108 | 1.170 | 1.232 | 1.294 | 1.357 |
| 44                                        | 0.668 | 0.736 | 0.803 | 0.871 | 0.938 | 1.006 | 1.074 | 1.142 | 1.209 | 1.277 | 1.345 | 1.413 | 1.481 |
| 46                                        | 0.726 | 0.800 | 0.873 | 0.947 | 1.020 | 1.094 | 1.167 | 1.241 | 1.315 | 1.389 | 1.462 | 1.536 | 1.610 |
| 48                                        | 0.787 | 0.867 | 0.946 | 1.026 | 1.105 | 1.185 | 1.265 | 1.345 | 1.425 | 1.504 | 1.584 | 1.664 | 1.744 |
| 50                                        | 0.850 | 0.936 | 1.022 | 1.108 | 1.194 | 1.280 | 1.366 | 1.452 | 1.538 | 1.625 | 1.711 | 1.797 | 1.884 |
| 52                                        | 0.915 | 1.007 | 1.100 | 1.192 | 1.285 | 1.378 | 1.471 | 1.563 | 1.656 | 1.749 | 1.842 | 1.935 | 2.028 |
| 54                                        | 0.982 | 1.082 | 1.181 | 1.280 | 1.380 | 1.479 | 1.579 | 1.678 | 1.778 | 1.878 | 1.978 | 2.077 | 2.177 |
| 56                                        | 1.052 | 1.158 | 1.265 | 1.371 | 1.477 | 1.584 | 1.691 | 1.797 | 1.904 | 2.011 | 2.118 | 2.225 | 2.332 |
| 58                                        | 1.124 | 1.237 | 1.351 | 1.465 | 1.578 | 1.692 | 1.806 | 1.920 | 2.034 | 2.148 | 2.262 | 2.376 | 2.491 |
| 60                                        | 1.198 | 1.319 | 1.440 | 1.561 | 1.682 | 1.804 | 1.925 | 2.047 | 2.168 | 2.290 | 2.411 | 2.533 | 2.655 |
| 62                                        | 1.274 | 1.403 | 1.532 | 1.660 | 1.789 | 1.918 | 2.048 | 2.177 | 2.306 | 2.435 | 2.565 | 2.694 | 2.824 |
| 64                                        | 1.353 | 1.489 | 1.626 | 1.763 | 1.900 | 2.037 | 2.174 | 2.311 | 2.448 | 2.585 | 2.723 | 2.860 | 2.998 |
| 66                                        | 1.433 | 1.578 | 1.723 | 1.868 | 2.013 | 2.158 | 2.303 | 2.449 | 2.594 | 2.740 | 2.885 | 3.031 | 3.176 |
| 68                                        | 1.516 | 1.669 | 1.822 | 1.976 | 2.129 | 2.283 | 2.436 | 2.590 | 2.744 | 2.898 | 3.052 | 3.206 | 3.360 |
| 70                                        | 1.601 | 1.763 | 1.925 | 2.087 | 2.249 | 2.411 | 2.573 | 2.735 | 2.898 | 3.060 | 3.223 | 3.386 | 3.548 |

续表 26

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.419 | 1.481 | 1.544 | 1.506 | 1.668 | 1.731 | 1.793 | 1.855 | 1.918 | 1.980 | 2.043 | 2.105 | 2.168 |
| 44                                        | 1.549 | 1.617 | 1.685 | 1.753 | 1.821 | 1.889 | 1.957 | 2.025 | 2.093 | 2.162 | 2.230 | 2.298 | 2.366 |
| 46                                        | 1.684 | 1.758 | 1.832 | 1.906 | 1.980 | 2.054 | 2.128 | 2.202 | 2.276 | 2.350 | 2.424 | 2.498 | 2.573 |
| 48                                        | 1.824 | 1.904 | 1.985 | 2.065 | 2.145 | 2.225 | 2.305 | 2.386 | 2.466 | 2.546 | 2.626 | 2.707 | 2.787 |
| 50                                        | 1.970 | 2.057 | 2.143 | 2.230 | 2.316 | 2.403 | 2.489 | 2.576 | 2.663 | 2.749 | 2.836 | 2.923 | 3.010 |
| 52                                        | 2.121 | 2.214 | 2.307 | 2.400 | 2.494 | 2.587 | 2.680 | 2.773 | 2.867 | 2.960 | 3.053 | 3.147 | 3.240 |
| 54                                        | 2.277 | 2.377 | 2.477 | 2.577 | 2.677 | 2.777 | 2.877 | 2.978 | 3.078 | 3.178 | 3.278 | 3.379 | 3.479 |
| 56                                        | 2.439 | 2.546 | 2.653 | 2.760 | 2.867 | 2.974 | 3.081 | 3.189 | 3.296 | 3.403 | 3.511 | 3.618 | 3.725 |
| 58                                        | 2.605 | 2.719 | 2.834 | 2.948 | 3.063 | 3.177 | 3.292 | 3.406 | 3.521 | 3.636 | 3.750 | 3.865 | 3.980 |
| 60                                        | 2.777 | 2.899 | 3.020 | 3.142 | 3.264 | 3.386 | 3.509 | 3.631 | 3.753 | 3.875 | 3.997 | 4.120 | 4.242 |
| 62                                        | 2.953 | 3.083 | 3.213 | 3.342 | 3.472 | 3.602 | 3.732 | 3.862 | 3.992 | 4.122 | 4.252 | 4.382 | 4.512 |
| 64                                        | 3.135 | 3.273 | 3.411 | 3.548 | 3.686 | 3.824 | 3.962 | 4.100 | 4.238 | 4.376 | 4.514 | 4.652 | 4.790 |
| 66                                        | 3.322 | 3.468 | 3.614 | 3.760 | 3.906 | 4.052 | 4.198 | 4.344 | 4.490 | 4.636 | 4.783 | 4.929 | 5.075 |
| 68                                        | 3.514 | 3.668 | 3.823 | 3.977 | 4.132 | 4.286 | 4.441 | 4.595 | 4.750 | 4.904 | 5.059 | 5.214 | 5.369 |
| 70                                        | 3.711 | 3.874 | 4.037 | 4.200 | 4.363 | 4.526 | 4.690 | 4.853 | 5.016 | 5.179 | 5.343 | 5.506 | 5.670 |

续表 26

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72                                                | 1.688 | 1.859 | 2.029 | 2.200 | 2.371 | 2.542 | 2.713 | 2.884 | 3.056 | 3.227 | 3.399 | 3.570 | 3.742 |
| 74                                                | 1.778 | 1.957 | 2.137 | 2.317 | 2.497 | 2.677 | 2.857 | 3.037 | 3.217 | 3.398 | 3.578 | 3.759 | 3.940 |
| 76                                                | 1.869 | 2.058 | 2.247 | 2.436 | 2.625 | 2.814 | 3.004 | 3.193 | 3.383 | 3.573 | 3.763 | 3.953 | 4.143 |
| 78                                                |       | 2.161 | 2.359 | 2.558 | 2.757 | 2.955 | 3.154 | 3.353 | 3.553 | 3.752 | 3.951 | 4.151 | 4.350 |
| 80                                                |       | 2.267 | 2.475 | 2.683 | 2.891 | 3.100 | 3.308 | 3.517 | 3.726 | 3.935 | 4.144 | 4.353 | 4.562 |
| 82                                                |       | 2.374 | 2.592 | 2.810 | 3.029 | 3.247 | 3.466 | 3.684 | 3.903 | 4.122 | 4.341 | 4.560 | 4.779 |
| 84                                                |       |       | 2.713 | 2.941 | 3.169 | 3.398 | 3.626 | 3.855 | 4.084 | 4.313 | 4.542 | 4.772 | 5.001 |
| 86                                                |       |       | 2.835 | 3.074 | 3.313 | 3.552 | 3.791 | 4.030 | 4.269 | 4.509 | 4.748 | 4.988 | 5.228 |
| 88                                                |       |       | 2.961 | 3.210 | 3.459 | 3.709 | 3.958 | 4.208 | 4.458 | 4.708 | 4.958 | 5.208 | 5.459 |
| 90                                                |       |       |       | 3.349 | 3.609 | 3.869 | 4.129 | 4.390 | 4.651 | 4.911 | 5.172 | 5.433 | 5.695 |
| 92                                                |       |       |       | 3.490 | 3.761 | 4.032 | 4.304 | 4.575 | 4.847 | 5.119 | 5.391 | 5.663 | 5.935 |
| 94                                                |       |       |       | 3.634 | 3.916 | 4.199 | 4.481 | 4.764 | 5.047 | 5.330 | 5.614 | 5.897 | 6.180 |
| 96                                                |       |       |       |       | 4.075 | 4.369 | 4.663 | 4.957 | 5.251 | 5.546 | 5.840 | 6.135 | 6.430 |
| 98                                                |       |       |       |       | 4.236 | 4.541 | 4.847 | 5.153 | 5.459 | 5.765 | 6.072 | 6.378 | 6.685 |
| 100                                               |       |       |       |       | 4.400 | 4.717 | 5.035 | 5.353 | 5.671 | 5.989 | 6.307 | 6.625 | 6.944 |

续表26

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32     | 33     | 34     | 35     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 72                                        | 3.913 | 4.085 | 4.257 | 4.429 | 4.601 | 4.773 | 4.945 | 5.117 | 5.289 | 5.462  | 5.634  | 5.806  | 5.979  |
| 74                                        | 4.120 | 4.301 | 4.482 | 4.663 | 4.844 | 5.025 | 5.207 | 5.388 | 5.567 | 5.751  | 5.932  | 6.113  | 6.295  |
| 76                                        | 4.333 | 4.523 | 4.713 | 4.903 | 5.094 | 5.284 | 5.475 | 5.665 | 5.856 | 6.047  | 6.237  | 6.428  | 6.619  |
| 78                                        | 4.550 | 4.749 | 4.949 | 5.149 | 5.349 | 5.549 | 5.749 | 5.949 | 6.149 | 6.350  | 6.550  | 6.750  | 6.951  |
| 80                                        | 4.772 | 4.981 | 5.191 | 5.400 | 5.610 | 5.820 | 6.030 | 6.239 | 6.449 | 6.659  | 6.869  | 7.080  | 7.290  |
| 82                                        | 4.999 | 5.218 | 5.438 | 5.657 | 5.877 | 6.097 | 6.316 | 6.536 | 6.756 | 6.976  | 7.196  | 7.416  | 7.637  |
| 84                                        | 5.231 | 5.460 | 5.690 | 5.920 | 6.150 | 6.379 | 6.609 | 6.840 | 7.070 | 7.300  | 7.530  | 7.761  | 7.991  |
| 86                                        | 5.468 | 5.708 | 5.948 | 6.188 | 6.428 | 6.668 | 6.909 | 7.149 | 7.390 | 7.630  | 7.871  | 8.112  | 8.353  |
| 88                                        | 5.709 | 5.960 | 6.211 | 6.461 | 6.712 | 6.963 | 7.214 | 7.465 | 7.717 | 7.968  | 8.219  | 8.471  | 8.722  |
| 90                                        | 5.956 | 6.217 | 6.479 | 6.741 | 7.002 | 7.264 | 7.526 | 7.788 | 8.050 | 8.312  | 8.574  | 8.837  | 9.099  |
| 92                                        | 6.208 | 6.480 | 6.753 | 7.025 | 7.298 | 7.571 | 7.844 | 8.117 | 8.390 | 8.663  | 8.936  | 9.210  | 9.483  |
| 94                                        | 6.464 | 6.748 | 7.032 | 7.315 | 7.599 | 7.884 | 8.168 | 8.452 | 8.737 | 9.021  | 9.306  | 9.590  | 9.875  |
| 96                                        | 6.725 | 7.020 | 7.316 | 7.611 | 7.907 | 8.202 | 8.498 | 8.794 | 9.090 | 9.386  | 9.682  | 9.978  | 10.274 |
| 98                                        | 6.991 | 7.298 | 7.605 | 7.912 | 8.220 | 8.527 | 8.834 | 9.142 | 9.449 | 9.757  | 10.065 | 10.373 | 10.681 |
| 100                                       | 7.262 | 7.581 | 7.900 | 8.219 | 8.538 | 8.857 | 9.177 | 9.496 | 9.816 | 10.135 | 10.455 | 10.775 | 11.095 |

续表 26

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19     | 20     | 21     | 22     | 23     | 24     | 25     |
|---------------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 102                                               | 4.897 | 5.226 | 5.556 | 5.886 | 6.216  | 6.546  | 6.877  | 7.207  | 7.538  | 7.869  | 8.200  |
| 104                                               | 5.079 | 5.421 | 5.763 | 6.105 | 6.447  | 6.790  | 7.133  | 7.476  | 7.819  | 8.162  | 8.505  |
| 106                                               | 5.264 | 5.619 | 5.973 | 6.328 | 6.685  | 7.038  | 7.393  | 7.749  | 8.104  | 8.460  | 8.816  |
| 108                                               | 5.453 | 5.820 | 6.187 | 6.554 | 6.922  | 7.290  | 7.658  | 8.026  | 8.394  | 8.763  | 9.131  |
| 110                                               | 5.644 | 6.024 | 6.404 | 6.785 | 7.165  | 7.546  | 7.927  | 8.308  | 8.689  | 9.071  | 9.452  |
| 112                                               | 5.839 | 6.232 | 6.625 | 7.019 | 7.413  | 7.806  | 8.200  | 8.595  | 8.989  | 9.384  | 9.778  |
| 114                                               | 6.037 | 6.443 | 6.850 | 7.257 | 7.664  | 8.071  | 8.478  | 8.886  | 9.294  | 9.701  | 10.110 |
| 116                                               | 6.238 | 6.658 | 7.078 | 7.498 | 7.919  | 8.339  | 8.760  | 9.181  | 9.603  | 10.024 | 10.446 |
| 118                                               | 6.442 | 6.875 | 7.309 | 7.743 | 8.178  | 8.612  | 9.047  | 9.482  | 9.917  | 10.352 | 10.787 |
| 120                                               | 6.649 | 7.096 | 7.544 | 7.992 | 8.440  | 8.889  | 9.338  | 9.786  | 10.235 | 10.685 | 11.134 |
| 122                                               | 6.859 | 7.321 | 7.782 | 8.245 | 8.707  | 9.170  | 9.633  | 10.096 | 10.559 | 11.022 | 11.486 |
| 124                                               | 7.072 | 7.548 | 8.024 | 8.501 | 8.978  | 9.455  | 9.932  | 10.409 | 10.887 | 11.365 | 11.843 |
| 126                                               | 7.288 | 7.779 | 8.270 | 8.761 | 9.252  | 9.744  | 10.236 | 10.728 | 11.220 | 11.712 | 12.205 |
| 128                                               | 7.508 | 8.013 | 8.518 | 9.024 | 9.531  | 10.037 | 10.544 | 11.050 | 11.557 | 12.065 | 12.572 |
| 130                                               | 7.730 | 8.250 | 8.771 | 9.292 | 9.813  | 10.334 | 10.856 | 11.378 | 11.900 | 12.422 | 12.945 |
| 132                                               | 7.955 | 8.491 | 9.026 | 9.562 | 10.099 | 10.635 | 11.172 | 11.709 | 12.247 | 12.784 | 13.322 |
| 134                                               | 8.184 | 8.734 | 9.286 | 9.837 | 10.389 | 10.941 | 11.493 | 12.045 | 12.598 | 13.151 | 13.704 |

续表26

| $V \backslash H$<br>$D$ | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 102                     | 8.531  | 8.862  | 9.194  | 9.525  | 9.857  | 10.188 | 10.520 | 10.852 | 11.184 | 11.516 |
| 104                     | 8.849  | 9.192  | 9.536  | 9.880  | 10.224 | 10.568 | 10.912 | 11.256 | 11.600 | 11.945 |
| 106                     | 9.172  | 9.528  | 9.884  | 10.240 | 10.597 | 10.953 | 11.310 | 11.667 | 12.024 | 12.381 |
| 108                     | 9.500  | 9.869  | 10.238 | 10.607 | 10.976 | 11.346 | 11.715 | 12.085 | 12.454 | 12.824 |
| 110                     | 9.834  | 10.216 | 10.598 | 10.980 | 11.362 | 11.744 | 12.127 | 12.509 | 12.892 | 13.275 |
| 112                     | 10.173 | 10.568 | 10.963 | 11.359 | 11.754 | 12.149 | 12.545 | 12.941 | 13.337 | 13.733 |
| 114                     | 10.518 | 10.926 | 11.335 | 11.743 | 12.152 | 12.561 | 12.970 | 13.379 | 13.788 | 14.198 |
| 116                     | 10.868 | 11.290 | 11.712 | 12.134 | 12.556 | 12.979 | 13.402 | 13.824 | 14.247 | 14.670 |
| 118                     | 11.223 | 11.659 | 12.095 | 12.531 | 12.967 | 13.403 | 13.840 | 14.276 | 14.713 | 15.150 |
| 120                     | 11.584 | 12.034 | 12.483 | 12.934 | 13.384 | 13.834 | 14.285 | 14.735 | 15.186 | 15.637 |
| 122                     | 11.950 | 12.414 | 12.878 | 13.342 | 13.807 | 14.271 | 14.736 | 15.201 | 15.666 | 16.131 |
| 124                     | 12.321 | 12.800 | 13.278 | 13.757 | 14.236 | 14.715 | 15.194 | 15.673 | 16.153 | 16.632 |
| 126                     | 12.698 | 13.191 | 13.684 | 14.177 | 14.671 | 15.165 | 15.658 | 16.152 | 16.647 | 17.141 |
| 128                     | 13.080 | 13.588 | 14.096 | 14.604 | 15.112 | 15.621 | 16.130 | 16.638 | 17.147 | 17.656 |
| 130                     | 13.467 | 13.990 | 14.513 | 15.036 | 15.560 | 16.083 | 16.607 | 17.131 | 17.655 | 18.179 |
| 132                     | 13.860 | 14.398 | 14.936 | 15.475 | 16.013 | 16.552 | 17.091 | 17.630 | 18.170 | 18.709 |
| 134                     | 14.258 | 14.811 | 15.365 | 15.919 | 16.473 | 17.027 | 17.582 | 18.137 | 18.691 | 19.246 |



## 二十八、海南岛阔叶混交林二元立木材积表

$$V = 0.000047530232 D^{1.9249507} H^{0.99462884}$$

表 27

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |
| 6                                      | 0.003 | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 |
| 8                                      | 0.005 | 0.008 | 0.010 | 0.013 | 0.015 | 0.018 | 0.021 | 0.023 | 0.026 | 0.028 | 0.031 |
| 10                                     | 0.008 | 0.012 | 0.016 | 0.020 | 0.024 | 0.028 | 0.032 | 0.036 | 0.039 | 0.043 | 0.047 |
| 12                                     |       | 0.017 | 0.023 | 0.028 | 0.034 | 0.039 | 0.045 | 0.051 | 0.056 | 0.062 | 0.067 |
| 14                                     |       |       | 0.030 | 0.038 | 0.045 | 0.053 | 0.060 | 0.068 | 0.075 | 0.083 | 0.090 |
| 16                                     |       |       |       | 0.049 | 0.059 | 0.068 | 0.078 | 0.088 | 0.098 | 0.107 | 0.117 |
| 18                                     |       |       |       |       | 0.074 | 0.086 | 0.098 | 0.110 | 0.122 | 0.135 | 0.147 |
| 20                                     |       |       |       |       | 0.090 | 0.105 | 0.120 | 0.135 | 0.150 | 0.165 | 0.180 |
| 22                                     |       |       |       |       |       | 0.126 | 0.144 | 0.162 | 0.180 | 0.198 | 0.216 |
| 24                                     |       |       |       |       |       | 0.149 | 0.171 | 0.192 | 0.213 | 0.234 | 0.255 |
| 26                                     |       |       |       |       |       |       | 0.199 | 0.224 | 0.249 | 0.273 | 0.298 |
| 28                                     |       |       |       |       |       |       | 0.230 | 0.258 | 0.287 | 0.315 | 0.344 |
| 30                                     |       |       |       |       |       |       |       | 0.295 | 0.327 | 0.360 | 0.392 |
| 32                                     |       |       |       |       |       |       |       | 0.334 | 0.371 | 0.407 | 0.444 |
| 34                                     |       |       |       |       |       |       |       |       | 0.417 | 0.458 | 0.499 |
| 36                                     |       |       |       |       |       |       |       |       | 0.465 | 0.511 | 0.557 |
| 38                                     |       |       |       |       |       |       |       |       |       | 0.567 | 0.619 |
| 40                                     |       |       |       |       |       |       |       |       |       | 0.626 | 0.683 |

续表 27

| $V \backslash H$<br>$D$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.002 | 0.002 | 0.003 |       |       |       |       |       |       |       |       |
| 4                       | 0.009 | 0.009 | 0.010 | 0.011 |       |       |       |       |       |       |       |
| 6                       | 0.019 | 0.021 | 0.022 | 0.024 | 0.025 |       |       |       |       |       |       |
| 8                       | 0.033 | 0.036 | 0.038 | 0.041 | 0.044 | 0.046 |       |       |       |       |       |
| 10                      | 0.051 | 0.055 | 0.059 | 0.063 | 0.067 | 0.071 | 0.075 |       |       |       |       |
| 12                      | 0.073 | 0.078 | 0.084 | 0.090 | 0.095 | 0.101 | 0.106 | 0.112 |       |       |       |
| 14                      | 0.098 | 0.105 | 0.113 | 0.120 | 0.128 | 0.135 | 0.143 | 0.150 | 0.158 |       |       |
| 16                      | 0.127 | 0.136 | 0.146 | 0.156 | 0.165 | 0.175 | 0.185 | 0.194 | 0.204 | 0.214 |       |
| 18                      | 0.159 | 0.171 | 0.183 | 0.195 | 0.208 | 0.220 | 0.232 | 0.244 | 0.256 | 0.268 | 0.280 |
| 20                      | 0.195 | 0.210 | 0.224 | 0.239 | 0.254 | 0.269 | 0.284 | 0.299 | 0.314 | 0.329 | 0.343 |
| 22                      | 0.234 | 0.252 | 0.270 | 0.288 | 0.305 | 0.323 | 0.341 | 0.359 | 0.377 | 0.395 | 0.413 |
| 24                      | 0.277 | 0.298 | 0.319 | 0.340 | 0.361 | 0.382 | 0.403 | 0.424 | 0.446 | 0.467 | 0.488 |
| 26                      | 0.323 | 0.347 | 0.372 | 0.397 | 0.421 | 0.446 | 0.471 | 0.495 | 0.520 | 0.544 | 0.569 |
| 28                      | 0.372 | 0.401 | 0.429 | 0.457 | 0.486 | 0.514 | 0.543 | 0.571 | 0.600 | 0.628 | 0.656 |
| 30                      | 0.425 | 0.457 | 0.490 | 0.522 | 0.555 | 0.587 | 0.620 | 0.652 | 0.685 | 0.717 | 0.749 |
| 32                      | 0.481 | 0.518 | 0.555 | 0.592 | 0.628 | 0.665 | 0.702 | 0.739 | 0.775 | 0.812 | 0.849 |
| 34                      | 0.541 | 0.582 | 0.623 | 0.665 | 0.706 | 0.747 | 0.789 | 0.830 | 0.871 | 0.912 | 0.954 |
| 36                      | 0.604 | 0.650 | 0.696 | 0.742 | 0.788 | 0.834 | 0.880 | 0.926 | 0.973 | 1.019 | 1.065 |
| 38                      | 0.670 | 0.721 | 0.772 | 0.823 | 0.875 | 0.926 | 0.977 | 1.028 | 1.079 | 1.130 | 1.181 |
| 40                      | 0.739 | 0.796 | 0.852 | 0.909 | 0.965 | 1.022 | 1.078 | 1.135 | 1.191 | 1.248 | 1.304 |

续表 27

| $V \backslash H$<br>$D$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |
| 14                      |       |       |       |       |       |       |       |       |       |       |       |
| 16                      |       |       |       |       |       |       |       |       |       |       |       |
| 18                      |       |       |       |       |       |       |       |       |       |       |       |
| 20                      | 0.358 |       |       |       |       |       |       |       |       |       |       |
| 22                      | 0.430 | 0.448 |       |       |       |       |       |       |       |       |       |
| 24                      | 0.509 | 0.530 | 0.551 |       |       |       |       |       |       |       |       |
| 26                      | 0.594 | 0.618 | 0.643 | 0.667 |       |       |       |       |       |       |       |
| 28                      | 0.685 | 0.713 | 0.741 | 0.770 | 0.798 |       |       |       |       |       |       |
| 30                      | 0.782 | 0.814 | 0.847 | 0.879 | 0.911 | 0.944 |       |       |       |       |       |
| 32                      | 0.885 | 1.922 | 0.959 | 0.995 | 1.032 | 1.069 | 1.105 |       |       |       |       |
| 34                      | 0.995 | 1.036 | 1.077 | 1.119 | 1.160 | 1.201 | 1.242 | 1.283 |       |       |       |
| 36                      | 1.111 | 1.157 | 1.203 | 1.249 | 1.295 | 1.341 | 1.387 | 1.433 | 1.479 |       |       |
| 38                      | 1.232 | 1.284 | 1.335 | 1.386 | 1.437 | 1.488 | 1.539 | 1.590 | 1.641 | 1.692 |       |
| 40                      | 1.360 | 1.417 | 1.473 | 1.529 | 1.586 | 1.642 | 1.698 | 1.755 | 1.811 | 1.867 | 1.924 |

续表 27

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.750 | 0.812 | 0.874 | 0.936 | 0.998 | 1.060 | 1.122 | 1.184 | 1.246 | 1.308 | 1.370 | 1.432 |
| 44                                        | 0.820 | 0.888 | 0.956 | 1.024 | 1.092 | 1.160 | 1.228 | 1.295 | 1.363 | 1.431 | 1.499 | 1.567 |
| 46                                        |       | 0.968 | 1.042 | 1.116 | 1.189 | 1.263 | 1.337 | 1.411 | 1.485 | 1.559 | 1.633 | 1.707 |
| 48                                        |       | 1.050 | 1.130 | 1.211 | 1.291 | 1.371 | 1.451 | 1.532 | 1.612 | 1.692 | 1.772 | 1.852 |
| 50                                        |       |       | 1.223 | 1.310 | 1.397 | 1.483 | 1.570 | 1.657 | 1.744 | 1.830 | 1.917 | 2.004 |
| 52                                        |       |       | 1.319 | 1.412 | 1.506 | 1.600 | 1.693 | 1.787 | 1.880 | 1.974 | 2.067 | 2.161 |
| 54                                        |       |       |       | 1.519 | 1.620 | 1.720 | 1.821 | 1.921 | 2.022 | 2.123 | 2.223 | 2.324 |
| 56                                        |       |       |       | 1.629 | 1.737 | 1.845 | 1.953 | 2.061 | 2.169 | 2.276 | 2.384 | 2.492 |
| 58                                        |       |       |       |       | 1.858 | 1.974 | 2.089 | 2.205 | 2.320 | 2.436 | 2.551 | 2.666 |
| 60                                        |       |       |       |       | 1.984 | 2.107 | 2.230 | 2.353 | 2.477 | 2.600 | 2.723 | 2.846 |
| 62                                        |       |       |       |       |       | 2.244 | 2.376 | 2.507 | 2.638 | 2.769 | 2.900 | 3.031 |
| 64                                        |       |       |       |       |       | 2.386 | 2.525 | 2.665 | 2.804 | 2.944 | 3.083 | 3.222 |
| 66                                        |       |       |       |       |       |       | 2.679 | 2.827 | 2.975 | 3.123 | 3.271 | 3.419 |
| 68                                        |       |       |       |       |       |       | 2.838 | 2.995 | 3.151 | 3.308 | 3.465 | 3.621 |
| 70                                        |       |       |       |       |       |       |       | 3.166 | 3.332 | 3.498 | 3.664 | 3.829 |
| 72                                        |       |       |       |       |       |       |       | 3.343 | 3.518 | 3.693 | 3.868 | 4.043 |
| 74                                        |       |       |       |       |       |       |       |       | 3.708 | 3.893 | 4.077 | 4.262 |
| 76                                        |       |       |       |       |       |       |       |       | 3.904 | 4.098 | 4.292 | 4.486 |
| 78                                        |       |       |       |       |       |       |       |       | 4.104 | 4.308 | 4.512 | 4.716 |
| 80                                        |       |       |       |       |       |       |       |       | 4.309 | 4.523 | 4.737 | 4.952 |

续表 27

| $\begin{array}{c} V \\ \backslash \\ H \\ \backslash \\ D \end{array}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                                                     | 1.494 | 1.556 | 1.618 | 1.680 | 1.742 | 1.804 | 1.866 | 1.928 | 1.989 | 2.051 | 2.113 | 2.175 |
| 44                                                                     | 1.634 | 1.702 | 1.770 | 1.837 | 1.905 | 1.973 | 2.040 | 2.108 | 2.176 | 2.243 | 2.311 | 2.379 |
| 46                                                                     | 1.780 | 1.854 | 1.928 | 2.002 | 2.075 | 2.149 | 2.223 | 2.296 | 2.370 | 2.444 | 2.517 | 2.591 |
| 48                                                                     | 1.932 | 2.012 | 2.092 | 2.172 | 2.252 | 2.332 | 2.412 | 2.492 | 2.572 | 2.652 | 2.732 | 2.812 |
| 50                                                                     | 2.090 | 2.177 | 2.263 | 2.350 | 2.437 | 2.523 | 2.610 | 2.696 | 2.783 | 2.869 | 2.956 | 3.042 |
| 52                                                                     | 2.254 | 2.348 | 2.441 | 2.534 | 2.628 | 2.721 | 2.814 | 2.908 | 3.001 | 3.094 | 3.187 | 3.281 |
| 54                                                                     | 2.424 | 2.524 | 2.625 | 2.725 | 2.826 | 2.926 | 3.026 | 3.127 | 3.227 | 3.327 | 3.428 | 3.528 |
| 56                                                                     | 2.600 | 2.708 | 2.815 | 2.923 | 3.031 | 3.138 | 3.246 | 3.353 | 3.461 | 3.569 | 3.676 | 3.784 |
| 58                                                                     | 2.782 | 2.897 | 3.012 | 3.127 | 3.242 | 3.358 | 3.473 | 3.588 | 3.703 | 3.818 | 3.933 | 4.048 |
| 60                                                                     | 2.969 | 3.092 | 3.215 | 3.338 | 3.461 | 3.584 | 3.707 | 3.830 | 3.953 | 4.076 | 4.198 | 4.321 |
| 62                                                                     | 3.163 | 3.294 | 3.425 | 3.556 | 3.687 | 3.817 | 3.948 | 4.079 | 4.210 | 4.341 | 4.472 | 4.603 |
| 64                                                                     | 3.362 | 3.501 | 3.640 | 3.780 | 3.919 | 4.058 | 4.197 | 4.336 | 4.476 | 4.615 | 4.754 | 4.893 |
| 66                                                                     | 3.567 | 3.715 | 3.863 | 4.010 | 4.158 | 4.306 | 4.453 | 4.601 | 4.749 | 4.896 | 5.044 | 5.191 |
| 68                                                                     | 3.778 | 3.935 | 4.091 | 4.248 | 4.404 | 4.560 | 4.717 | 4.873 | 5.030 | 5.186 | 5.342 | 5.498 |
| 70                                                                     | 3.995 | 4.160 | 4.326 | 4.491 | 4.657 | 4.822 | 4.987 | 5.153 | 5.318 | 5.483 | 5.649 | 5.814 |
| 72                                                                     | 4.217 | 4.392 | 4.567 | 4.742 | 4.916 | 5.091 | 5.265 | 5.440 | 5.614 | 5.789 | 5.963 | 6.138 |
| 74                                                                     | 4.446 | 4.630 | 4.814 | 4.998 | 5.182 | 5.367 | 5.551 | 5.735 | 5.919 | 6.102 | 6.286 | 6.470 |
| 76                                                                     | 4.680 | 4.874 | 5.068 | 5.262 | 5.455 | 5.649 | 5.843 | 6.037 | 6.230 | 6.424 | 6.618 | 6.811 |
| 78                                                                     | 4.920 | 5.124 | 5.328 | 5.531 | 5.735 | 5.939 | 6.143 | 6.346 | 6.550 | 6.753 | 6.957 | 7.160 |
| 80                                                                     | 5.166 | 5.380 | 5.594 | 5.808 | 6.022 | 6.235 | 6.449 | 6.663 | 6.877 | 7.091 | 7.304 | 7.518 |

续表 27

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 42                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 44                                        | 2.446 |       |       |       |       |       |       |       |       |       |  |  |
| 46                                        | 2.665 | 2.738 |       |       |       |       |       |       |       |       |  |  |
| 48                                        | 2.892 | 2.972 | 3.052 |       |       |       |       |       |       |       |  |  |
| 50                                        | 3.129 | 3.215 | 3.301 | 3.388 |       |       |       |       |       |       |  |  |
| 52                                        | 3.374 | 3.467 | 3.560 | 3.654 | 3.747 |       |       |       |       |       |  |  |
| 54                                        | 3.628 | 3.728 | 3.829 | 3.929 | 4.029 | 4.129 |       |       |       |       |  |  |
| 56                                        | 3.891 | 3.999 | 4.106 | 4.214 | 4.321 | 4.429 | 4.536 |       |       |       |  |  |
| 58                                        | 4.163 | 4.278 | 4.393 | 4.508 | 4.623 | 4.738 | 4.853 | 4.968 |       |       |  |  |
| 60                                        | 4.444 | 4.567 | 4.689 | 4.812 | 4.935 | 5.058 | 5.180 | 5.303 | 5.426 |       |  |  |
| 62                                        | 4.733 | 4.864 | 4.995 | 5.126 | 5.256 | 5.387 | 5.518 | 5.648 | 5.779 | 5.910 |  |  |
| 64                                        | 5.032 | 5.171 | 5.310 | 5.449 | 5.588 | 5.727 | 5.866 | 6.004 | 6.143 | 6.282 |  |  |
| 66                                        | 5.339 | 5.486 | 5.634 | 5.781 | 5.929 | 6.076 | 6.223 | 6.371 | 6.518 | 6.666 |  |  |
| 68                                        | 5.655 | 5.811 | 5.967 | 6.123 | 6.279 | 6.435 | 6.592 | 6.748 | 6.904 | 7.060 |  |  |
| 70                                        | 5.979 | 6.144 | 6.309 | 6.475 | 6.640 | 6.805 | 6.970 | 7.135 | 7.300 | 7.465 |  |  |
| 72                                        | 6.312 | 6.487 | 6.661 | 6.835 | 7.010 | 7.184 | 7.358 | 7.532 | 7.707 | 7.881 |  |  |
| 74                                        | 6.654 | 6.838 | 7.022 | 7.206 | 7.389 | 7.573 | 7.757 | 7.940 | 8.124 | 8.308 |  |  |
| 76                                        | 7.005 | 7.198 | 7.392 | 7.585 | 7.779 | 7.972 | 8.165 | 8.359 | 8.552 | 8.745 |  |  |
| 78                                        | 7.364 | 7.567 | 7.771 | 7.974 | 8.177 | 8.381 | 8.584 | 8.787 | 8.991 | 9.194 |  |  |
| 80                                        | 7.732 | 7.945 | 8.159 | 8.372 | 8.586 | 8.799 | 9.013 | 9.226 | 9.440 | 9.653 |  |  |

续表 27

| $\begin{array}{c} V \\ \backslash \\ D \end{array} \begin{array}{c} H \end{array}$ | 20    | 21    | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     |
|------------------------------------------------------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                                                                 | 4.519 | 4.743 | 4.968  | 5.193  | 5.417  | 5.642  | 5.866  | 6.090  | 6.315  | 6.539  | 6.763  | 6.987  | 7.212  |
| 84                                                                                 | 4.733 | 4.969 | 5.204  | 5.439  | 5.674  | 5.909  | 6.144  | 6.380  | 6.615  | 6.849  | 7.084  | 7.319  | 7.554  |
| 86                                                                                 | 4.953 | 5.199 | 5.445  | 5.691  | 5.937  | 6.183  | 6.429  | 6.675  | 6.921  | 7.167  | 7.413  | 7.658  | 7.904  |
| 88                                                                                 | 5.177 | 5.434 | 5.691  | 5.949  | 6.206  | 6.463  | 6.720  | 6.977  | 7.234  | 7.491  | 7.748  | 8.005  | 8.262  |
| 90                                                                                 | 5.405 | 5.674 | 5.943  | 6.212  | 6.480  | 6.749  | 7.017  | 7.286  | 7.554  | 7.822  | 8.091  | 8.359  | 8.627  |
| 92                                                                                 | 5.639 | 5.919 | 6.200  | 6.480  | 6.760  | 7.040  | 7.320  | 7.600  | 7.880  | 8.160  | 8.440  | 8.720  | 9.000  |
| 94                                                                                 | 5.877 | 6.170 | 6.462  | 6.754  | 7.046  | 7.338  | 7.630  | 7.922  | 8.214  | 8.505  | 8.797  | 9.089  | 9.380  |
| 96                                                                                 | 6.120 | 6.425 | 6.729  | 7.033  | 7.337  | 7.641  | 7.945  | 8.249  | 8.553  | 8.857  | 9.161  | 9.464  | 9.768  |
| 98                                                                                 | 6.368 | 6.685 | 7.002  | 7.318  | 7.634  | 7.951  | 8.267  | 8.583  | 8.900  | 9.216  | 9.532  | 9.848  | 10.164 |
| 100                                                                                | 6.621 | 6.950 | 7.279  | 7.608  | 7.937  | 8.266  | 8.595  | 8.924  | 9.252  | 9.581  | 9.910  | 10.238 | 10.567 |
| 102                                                                                | 6.878 | 7.220 | 7.562  | 7.904  | 8.246  | 8.587  | 8.929  | 9.270  | 9.612  | 9.953  | 10.295 | 10.636 | 10.977 |
| 104                                                                                | 7.140 | 7.495 | 7.850  | 8.205  | 8.560  | 8.914  | 9.269  | 9.624  | 9.978  | 10.332 | 10.687 | 11.041 | 11.395 |
| 106                                                                                | 7.407 | 7.775 | 8.143  | 8.511  | 8.879  | 9.247  | 9.615  | 9.983  | 10.351 | 10.718 | 11.086 | 11.453 | 11.821 |
| 108                                                                                | 7.678 | 8.060 | 8.442  | 8.823  | 9.205  | 9.586  | 9.967  | 10.349 | 10.730 | 11.111 | 11.492 | 11.873 | 12.254 |
| 110                                                                                | 7.954 | 8.350 | 8.745  | 9.140  | 9.536  | 9.931  | 10.326 | 10.721 | 11.116 | 11.510 | 11.905 | 12.300 | 12.695 |
| 112                                                                                | 8.235 | 8.644 | 9.054  | 9.463  | 9.872  | 10.281 | 10.690 | 11.099 | 11.508 | 11.917 | 12.325 | 12.734 | 13.143 |
| 114                                                                                | 8.520 | 8.944 | 9.367  | 9.791  | 10.214 | 10.638 | 11.061 | 11.484 | 11.907 | 12.330 | 12.753 | 13.175 | 13.598 |
| 116                                                                                | 8.810 | 9.248 | 9.686  | 10.124 | 10.562 | 11.000 | 11.437 | 11.875 | 12.312 | 12.749 | 13.187 | 13.624 | 14.061 |
| 118                                                                                | 9.105 | 9.558 | 10.010 | 10.463 | 10.915 | 11.368 | 11.820 | 12.272 | 12.724 | 13.176 | 13.628 | 14.080 | 14.531 |
| 120                                                                                | 9.404 | 9.872 | 10.340 | 10.807 | 11.274 | 11.741 | 12.209 | 12.676 | 13.142 | 13.609 | 14.076 | 14.543 | 15.009 |

续表27

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 7.436  | 7.660  | 7.884  | 8.108  | 8.332  | 8.556  | 8.780  | 9.004  | 9.228  | 9.451  | 9.675  | 9.899  | 10.123 |
| 84                                        | 7.789  | 8.024  | 8.258  | 8.493  | 8.728  | 8.962  | 9.197  | 9.431  | 9.666  | 9.900  | 10.135 | 10.369 | 10.603 |
| 86                                        | 8.150  | 8.395  | 8.641  | 8.886  | 9.132  | 9.377  | 9.623  | 9.868  | 10.114 | 10.359 | 10.604 | 10.849 | 11.095 |
| 88                                        | 8.518  | 8.775  | 9.032  | 9.289  | 9.545  | 9.802  | 10.058 | 10.315 | 10.571 | 10.828 | 11.084 | 11.340 | 11.597 |
| 90                                        | 8.895  | 9.163  | 9.431  | 9.699  | 9.967  | 10.235 | 10.503 | 10.771 | 11.039 | 11.306 | 11.574 | 11.842 | 12.109 |
| 92                                        | 9.279  | 9.559  | 9.839  | 10.118 | 10.398 | 10.677 | 10.957 | 11.236 | 11.516 | 11.795 | 12.074 | 12.354 | 12.633 |
| 94                                        | 9.672  | 9.963  | 10.255 | 10.546 | 10.837 | 11.129 | 11.420 | 11.711 | 12.002 | 12.293 | 12.585 | 12.876 | 13.167 |
| 96                                        | 10.072 | 10.375 | 10.679 | 10.982 | 11.286 | 11.589 | 11.892 | 12.195 | 12.499 | 12.802 | 13.105 | 13.408 | 13.711 |
| 98                                        | 10.479 | 10.795 | 11.111 | 11.427 | 11.743 | 12.058 | 12.374 | 12.689 | 13.005 | 13.320 | 13.636 | 13.951 | 14.266 |
| 100                                       | 10.895 | 11.223 | 11.552 | 11.880 | 12.208 | 12.536 | 12.864 | 13.192 | 13.520 | 13.848 | 14.176 | 14.504 | 14.832 |
| 102                                       | 11.318 | 11.659 | 12.001 | 12.342 | 12.683 | 13.023 | 13.364 | 13.705 | 14.046 | 14.387 | 14.727 | 15.068 | 15.408 |
| 104                                       | 11.749 | 12.104 | 12.458 | 12.812 | 13.166 | 13.519 | 13.873 | 14.227 | 14.581 | 14.934 | 15.288 | 15.642 | 15.995 |
| 106                                       | 12.188 | 12.556 | 12.923 | 13.290 | 13.657 | 14.024 | 14.391 | 14.758 | 15.125 | 15.492 | 15.859 | 16.226 | 16.593 |
| 108                                       | 12.635 | 13.016 | 13.396 | 13.777 | 14.158 | 14.538 | 14.919 | 15.299 | 15.679 | 16.060 | 16.440 | 16.820 | 17.201 |
| 110                                       | 13.089 | 13.484 | 13.878 | 14.272 | 14.667 | 15.061 | 15.455 | 15.849 | 16.243 | 16.637 | 17.031 | 17.425 | 17.819 |
| 112                                       | 13.551 | 13.959 | 14.368 | 14.776 | 15.184 | 15.592 | 16.000 | 16.408 | 16.816 | 17.224 | 17.632 | 18.040 | 18.448 |
| 114                                       | 14.021 | 14.443 | 14.866 | 15.288 | 15.710 | 16.133 | 16.555 | 16.977 | 17.399 | 17.821 | 18.243 | 18.665 | 19.087 |
| 116                                       | 14.498 | 14.935 | 15.372 | 15.809 | 16.245 | 16.682 | 17.119 | 17.555 | 17.992 | 18.428 | 18.864 | 19.301 | 19.737 |
| 118                                       | 14.983 | 15.435 | 15.886 | 16.337 | 16.789 | 17.240 | 17.691 | 18.142 | 18.594 | 19.045 | 19.496 | 19.946 | 20.397 |
| 120                                       | 15.476 | 15.942 | 16.408 | 16.875 | 17.341 | 17.807 | 18.273 | 18.739 | 19.205 | 19.671 | 20.137 | 20.602 | 21.068 |



续表 27

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 9.708  | 10.191 | 10.674 | 11.156 | 11.639 | 12.121 | 12.603 | 13.085 | 13.567 | 14.049 | 14.531 | 15.013 | 15.494 |
| 124                                       | 10.017 | 10.515 | 11.013 | 11.511 | 12.009 | 12.506 | 13.004 | 13.501 | 13.999 | 14.496 | 14.993 | 15.490 | 15.987 |
| 126                                       | 10.331 | 10.844 | 11.358 | 11.871 | 12.384 | 12.898 | 13.411 | 13.924 | 14.437 | 14.949 | 15.462 | 15.975 | 16.487 |
| 128                                       | 10.648 | 11.178 | 11.707 | 12.237 | 12.766 | 13.295 | 13.824 | 14.352 | 14.881 | 15.409 | 15.938 | 16.466 | 16.995 |
| 130                                       | 10.971 | 11.517 | 12.062 | 12.607 | 13.152 | 13.697 | 14.242 | 14.787 | 15.332 | 15.876 | 16.421 | 16.965 | 17.509 |
| 132                                       | 11.298 | 11.860 | 12.422 | 12.983 | 13.545 | 14.106 | 14.667 | 15.228 | 15.789 | 16.350 | 16.911 | 17.471 | 18.032 |
| 134                                       | 11.630 | 12.208 | 12.787 | 13.365 | 13.942 | 14.520 | 15.098 | 15.675 | 16.253 | 16.830 | 17.407 | 17.984 | 18.561 |
| 136                                       | 11.967 | 12.562 | 13.156 | 13.751 | 14.346 | 14.940 | 15.535 | 16.129 | 16.723 | 17.317 | 17.911 | 18.505 | 19.098 |
| 138                                       | 12.308 | 12.920 | 13.531 | 14.143 | 14.755 | 15.366 | 15.977 | 16.589 | 17.200 | 17.810 | 18.421 | 19.032 | 19.643 |
| 140                                       | 12.653 | 13.282 | 13.911 | 14.540 | 15.169 | 15.798 | 16.426 | 17.054 | 17.683 | 18.311 | 18.939 | 19.566 | 20.194 |
| 142                                       | 13.004 | 13.650 | 14.297 | 14.943 | 15.589 | 16.235 | 16.881 | 17.526 | 18.172 | 18.818 | 19.463 | 20.108 | 20.753 |
| 144                                       | 13.358 | 14.023 | 14.687 | 15.351 | 16.014 | 16.678 | 17.341 | 18.005 | 18.668 | 19.331 | 19.994 | 20.657 | 21.319 |
| 146                                       | 13.718 | 14.400 | 15.082 | 15.764 | 16.445 | 17.127 | 17.808 | 18.489 | 19.170 | 19.851 | 20.532 | 21.213 | 21.893 |
| 148                                       | 14.082 | 14.782 | 15.482 | 16.182 | 16.882 | 17.581 | 18.281 | 18.980 | 19.679 | 20.378 | 21.077 | 21.775 | 22.474 |
| 150                                       | 14.450 | 15.169 | 15.887 | 16.606 | 17.324 | 18.041 | 18.759 | 19.477 | 20.194 | 20.911 | 21.628 | 22.345 | 23.062 |

续表 27

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 15.976 | 16.457 | 16.939 | 17.420 | 17.901 | 18.383 | 18.864 | 19.345 | 19.826 | 20.307 | 20.788 | 21.268 | 21.749 |
| 124                                       | 16.484 | 16.981 | 17.477 | 17.974 | 18.471 | 18.967 | 19.464 | 19.960 | 20.456 | 20.952 | 21.449 | 21.945 | 22.441 |
| 126                                       | 17.000 | 17.512 | 18.024 | 18.536 | 19.048 | 19.560 | 20.072 | 20.584 | 21.096 | 21.608 | 22.119 | 22.631 | 23.143 |
| 128                                       | 17.523 | 18.051 | 18.579 | 19.107 | 19.635 | 20.162 | 20.690 | 21.218 | 21.745 | 22.273 | 22.800 | 23.328 | 23.855 |
| 130                                       | 18.054 | 18.598 | 19.142 | 19.686 | 20.230 | 20.773 | 21.317 | 21.861 | 22.404 | 22.948 | 23.491 | 24.034 | 24.578 |
| 132                                       | 18.592 | 19.152 | 19.713 | 20.273 | 20.833 | 21.393 | 21.953 | 22.513 | 23.072 | 23.632 | 24.192 | 24.751 | 25.311 |
| 134                                       | 19.138 | 19.715 | 20.292 | 20.868 | 21.445 | 22.021 | 22.598 | 23.174 | 23.750 | 24.326 | 24.902 | 25.478 | 26.054 |
| 136                                       | 19.692 | 20.285 | 20.879 | 21.472 | 22.065 | 22.658 | 23.251 | 23.844 | 24.437 | 25.030 | 25.623 | 26.215 | 26.808 |
| 138                                       | 20.253 | 20.863 | 21.474 | 22.084 | 22.694 | 23.304 | 23.914 | 24.524 | 25.134 | 25.743 | 26.353 | 26.962 | 27.572 |
| 140                                       | 20.822 | 21.449 | 22.077 | 22.704 | 23.331 | 23.958 | 24.586 | 25.212 | 25.839 | 26.466 | 27.093 | 27.720 | 28.346 |
| 142                                       | 21.398 | 22.043 | 22.688 | 23.333 | 23.977 | 24.622 | 25.266 | 25.910 | 26.555 | 27.199 | 27.843 | 28.487 | 29.131 |
| 144                                       | 21.982 | 22.645 | 23.307 | 23.969 | 24.631 | 25.294 | 25.956 | 26.617 | 27.279 | 27.941 | 28.603 | 29.264 | 29.926 |
| 146                                       | 22.574 | 23.254 | 23.934 | 24.614 | 25.294 | 25.974 | 26.654 | 27.334 | 28.013 | 28.693 | 29.372 | 30.052 | 30.731 |
| 148                                       | 23.173 | 23.871 | 24.569 | 25.267 | 25.965 | 26.663 | 27.361 | 28.059 | 28.757 | 29.454 | 30.152 | 30.849 | 31.546 |
| 150                                       | 23.779 | 24.496 | 25.212 | 25.929 | 26.645 | 27.361 | 28.077 | 28.793 | 29.509 | 30.225 | 30.941 | 31.657 | 32.372 |

## 二十九、按树二元立木材积表

$$V = 0.000079541813 D^{1.9430935} H^{0.73965335}$$

表28

| $V$<br>$D \backslash H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |
| 4                       | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 |       |       |
| 6                       | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.011 | 0.012 | 0.013 | 0.014 | 0.015 | 0.016 | 0.017 | 0.018 |
| 8                       |       | 0.010 | 0.013 | 0.015 | 0.017 | 0.019 | 0.021 | 0.023 | 0.025 | 0.027 | 0.028 | 0.030 | 0.032 |
| 10                      |       | 0.016 | 0.019 | 0.023 | 0.026 | 0.029 | 0.032 | 0.035 | 0.038 | 0.041 | 0.044 | 0.047 | 0.049 |
| 12                      |       |       | 0.028 | 0.033 | 0.037 | 0.042 | 0.046 | 0.051 | 0.055 | 0.059 | 0.062 | 0.066 | 0.070 |
| 14                      |       |       | 0.037 | 0.044 | 0.050 | 0.057 | 0.062 | 0.068 | 0.074 | 0.079 | 0.084 | 0.089 | 0.094 |
| 16                      |       |       |       | 0.057 | 0.065 | 0.073 | 0.081 | 0.088 | 0.095 | 0.102 | 0.109 | 0.116 | 0.122 |
| 18                      |       |       |       | 0.072 | 0.082 | 0.092 | 0.102 | 0.111 | 0.120 | 0.129 | 0.137 | 0.146 | 0.154 |
| 20                      |       |       |       |       | 0.101 | 0.113 | 0.125 | 0.136 | 0.147 | 0.158 | 0.169 | 0.179 | 0.189 |
| 22                      |       |       |       |       | 0.122 | 0.136 | 0.150 | 0.164 | 0.177 | 0.190 | 0.203 | 0.215 | 0.227 |
| 24                      |       |       |       |       |       | 0.161 | 0.178 | 0.194 | 0.210 | 0.225 | 0.240 | 0.255 | 0.269 |
| 26                      |       |       |       |       |       | 0.188 | 0.208 | 0.227 | 0.245 | 0.263 | 0.281 | 0.298 | 0.315 |
| 28                      |       |       |       |       |       |       | 0.240 | 0.262 | 0.283 | 0.304 | 0.324 | 0.344 | 0.363 |
| 30                      |       |       |       |       |       |       | 0.275 | 0.300 | 0.324 | 0.348 | 0.371 | 0.393 | 0.415 |

续表 28

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.019 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.034 | 0.035 | 0.037 | 0.038 |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.052 | 0.054 | 0.057 | 0.059 | 0.062 | 0.064 |       |       |       |       |       |       |       |
| 12                                        | 0.074 | 0.077 | 0.081 | 0.084 | 0.088 | 0.091 | 0.095 | 0.098 |       |       |       |       |       |
| 14                                        | 0.099 | 0.104 | 0.109 | 0.114 | 0.118 | 0.123 | 0.128 | 0.132 | 0.136 |       |       |       |       |
| 16                                        | 0.129 | 0.135 | 0.141 | 0.147 | 0.154 | 0.159 | 0.165 | 0.171 | 0.177 | 0.182 |       |       |       |
| 18                                        | 0.162 | 0.170 | 0.178 | 0.185 | 0.193 | 0.200 | 0.208 | 0.215 | 0.222 | 0.229 | 0.236 |       |       |
| 20                                        | 0.199 | 0.209 | 0.218 | 0.228 | 0.237 | 0.246 | 0.255 | 0.264 | 0.273 | 0.282 | 0.290 | 0.299 |       |
| 22                                        | 0.239 | 0.251 | 0.263 | 0.274 | 0.285 | 0.296 | 0.307 | 0.318 | 0.328 | 0.339 | 0.349 | 0.359 | 0.370 |
| 24                                        | 0.283 | 0.297 | 0.311 | 0.324 | 0.338 | 0.351 | 0.363 | 0.376 | 0.389 | 0.401 | 0.413 | 0.426 | 0.438 |
| 26                                        | 0.331 | 0.347 | 0.363 | 0.379 | 0.394 | 0.410 | 0.425 | 0.439 | 0.454 | 0.469 | 0.483 | 0.497 | 0.511 |
| 28                                        | 0.382 | 0.401 | 0.419 | 0.438 | 0.455 | 0.473 | 0.490 | 0.508 | 0.525 | 0.541 | 0.558 | 0.574 | 0.591 |
| 30                                        | 0.437 | 0.459 | 0.480 | 0.500 | 0.521 | 0.541 | 0.561 | 0.580 | 0.600 | 0.619 | 0.638 | 0.657 | 0.675 |

续表28

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                        | 0.394 | 0.420 | 0.446 | 0.471 | 0.496 | 0.520 | 0.544 | 0.567 | 0.590 | 0.613 | 0.636 | 0.658 | 0.680 |
| 34                                        | 0.443 | 0.473 | 0.502 | 0.530 | 0.558 | 0.585 | 0.612 | 0.638 | 0.664 | 0.690 | 0.715 | 0.740 | 0.765 |
| 36                                        | 0.495 | 0.528 | 0.560 | 0.592 | 0.623 | 0.654 | 0.684 | 0.713 | 0.742 | 0.771 | 0.799 | 0.827 | 0.855 |
| 38                                        |       | 0.587 | 0.623 | 0.658 | 0.692 | 0.726 | 0.759 | 0.792 | 0.824 | 0.856 | 0.888 | 0.919 | 0.949 |
| 40                                        |       | 0.648 | 0.688 | 0.727 | 0.765 | 0.802 | 0.839 | 0.875 | 0.911 | 0.946 | 0.981 | 1.015 | 1.049 |
| 42                                        |       |       | 0.756 | 0.799 | 0.841 | 0.882 | 0.922 | 0.962 | 1.001 | 1.040 | 1.078 | 1.116 | 1.153 |
| 44                                        |       |       | 0.828 | 0.874 | 0.920 | 0.965 | 1.009 | 1.053 | 1.096 | 1.138 | 1.180 | 1.222 | 1.262 |
| 46                                        |       |       |       | 0.953 | 1.003 | 1.052 | 1.101 | 1.148 | 1.195 | 1.241 | 1.287 | 1.332 | 1.376 |
| 48                                        |       |       |       | 1.035 | 1.090 | 1.143 | 1.195 | 1.247 | 1.298 | 1.348 | 1.398 | 1.447 | 1.495 |
| 50                                        |       |       |       | 1.121 | 1.180 | 1.237 | 1.294 | 1.350 | 1.405 | 1.459 | 1.513 | 1.566 | 1.618 |
| 52                                        |       |       |       | 1.210 | 1.273 | 1.335 | 1.397 | 1.457 | 1.516 | 1.575 | 1.633 | 1.690 | 1.746 |
| 54                                        |       |       |       | 1.302 | 1.370 | 1.437 | 1.503 | 1.568 | 1.632 | 1.695 | 1.757 | 1.819 | 1.879 |
| 56                                        |       |       |       | 1.397 | 1.470 | 1.542 | 1.613 | 1.682 | 1.751 | 1.819 | 1.886 | 1.952 | 2.017 |
| 58                                        |       |       |       | 1.496 | 1.574 | 1.651 | 1.727 | 1.801 | 1.875 | 1.947 | 2.019 | 2.089 | 2.159 |
| 60                                        |       |       |       | 1.598 | 1.681 | 1.763 | 1.844 | 1.924 | 2.002 | 2.080 | 2.156 | 2.232 | 2.306 |

续表 28

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                        | 0.702 | 0.723 | 0.744 | 0.766 | 0.786 | 0.807 | 0.828 |       |       |       |       |       |       |
| 34                                        | 0.789 | 0.814 | 0.838 | 0.861 | 0.885 | 0.908 | 0.931 |       |       |       |       |       |       |
| 36                                        | 0.882 | 0.909 | 0.936 | 0.962 | 0.989 | 1.015 | 1.040 | 1.066 |       |       |       |       |       |
| 38                                        | 0.980 | 1.010 | 1.040 | 1.069 | 1.098 | 1.127 | 1.156 | 1.184 |       |       |       |       |       |
| 40                                        | 1.082 | 1.116 | 1.149 | 1.181 | 1.213 | 1.245 | 1.277 | 1.308 | 1.339 |       |       |       |       |
| 42                                        | 1.190 | 1.227 | 1.263 | 1.298 | 1.334 | 1.369 | 1.404 | 1.438 | 1.472 |       |       |       |       |
| 44                                        | 1.303 | 1.343 | 1.382 | 1.421 | 1.460 | 1.498 | 1.537 | 1.574 | 1.612 | 1.649 |       |       |       |
| 46                                        | 1.420 | 1.464 | 1.507 | 1.550 | 1.592 | 1.634 | 1.675 | 1.716 | 1.757 | 1.797 |       |       |       |
| 48                                        | 1.543 | 1.590 | 1.637 | 1.683 | 1.729 | 1.774 | 1.820 | 1.864 | 1.909 | 1.952 | 1.996 |       |       |
| 50                                        | 1.670 | 1.721 | 1.772 | 1.822 | 1.872 | 1.921 | 1.970 | 2.018 | 2.066 | 2.114 | 2.161 |       |       |
| 52                                        | 1.802 | 1.858 | 1.912 | 1.966 | 2.020 | 2.073 | 2.126 | 2.178 | 2.230 | 2.281 | 2.332 | 2.382 |       |
| 54                                        | 1.939 | 1.999 | 2.058 | 2.116 | 2.174 | 2.231 | 2.287 | 2.344 | 2.399 | 2.455 | 2.509 | 2.564 |       |
| 56                                        | 2.081 | 2.145 | 2.208 | 2.271 | 2.333 | 2.394 | 2.455 | 2.515 | 2.575 | 2.634 | 2.693 | 2.751 | 2.809 |
| 58                                        | 2.228 | 2.297 | 2.364 | 2.431 | 2.497 | 2.563 | 2.628 | 2.693 | 2.757 | 2.820 | 2.883 | 2.946 | 3.008 |
| 60                                        | 2.380 | 2.453 | 2.525 | 2.597 | 2.668 | 2.738 | 2.807 | 2.876 | 2.944 | 3.012 | 3.079 | 3.146 | 3.212 |

## 三十、西南地区云杉二元立木材积表(一)

$$V = 0.000056790543 D^{1.8517320} H^{1.0334624}$$

表29

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 | 0.010 | 0.011 |
| 6                                      | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.019 | 0.020 | 0.022 | 0.024 |
| 8                                      | 0.005 | 0.008 | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.026 | 0.029 | 0.032 | 0.035 | 0.038 | 0.041 |
| 10                                     | 0.008 | 0.013 | 0.017 | 0.021 | 0.026 | 0.030 | 0.035 | 0.039 | 0.044 | 0.048 | 0.053 | 0.057 | 0.062 |
| 12                                     | 0.012 | 0.018 | 0.024 | 0.030 | 0.036 | 0.042 | 0.049 | 0.055 | 0.061 | 0.067 | 0.074 | 0.080 | 0.087 |
| 14                                     |       | 0.023 | 0.032 | 0.040 | 0.048 | 0.056 | 0.065 | 0.073 | 0.081 | 0.090 | 0.098 | 0.107 | 0.115 |
| 16                                     |       |       | 0.040 | 0.051 | 0.061 | 0.072 | 0.083 | 0.093 | 0.104 | 0.115 | 0.126 | 0.137 | 0.147 |
| 18                                     |       |       |       | 0.063 | 0.076 | 0.090 | 0.103 | 0.116 | 0.129 | 0.143 | 0.156 | 0.170 | 0.183 |
| 20                                     |       |       |       |       | 0.093 | 0.109 | 0.125 | 0.141 | 0.157 | 0.174 | 0.190 | 0.206 | 0.223 |
| 22                                     |       |       |       |       |       | 0.130 | 0.149 | 0.168 | 0.188 | 0.207 | 0.227 | 0.246 | 0.266 |
| 24                                     |       |       |       |       |       |       | 0.175 | 0.198 | 0.221 | 0.243 | 0.266 | 0.289 | 0.312 |
| 26                                     |       |       |       |       |       |       |       | 0.229 | 0.256 | 0.282 | 0.309 | 0.335 | 0.362 |
| 28                                     |       |       |       |       |       |       |       |       | 0.293 | 0.324 | 0.354 | 0.385 | 0.415 |
| 30                                     |       |       |       |       |       |       |       |       |       | 0.368 | 0.403 | 0.437 | 0.472 |
| 32                                     |       |       |       |       |       |       |       |       |       |       | 0.454 | 0.493 | 0.532 |
| 34                                     |       |       |       |       |       |       |       |       |       |       |       | 0.551 | 0.595 |
| 36                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.662 |
| 38                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表 29

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        | 0.026 | 0.028 | 0.029 | 0.031 |       |       |       |       |       |       |       |       |       |
| 8                                        | 0.044 | 0.047 | 0.050 | 0.053 | 0.056 | 0.059 |       |       |       |       |       |       |       |
| 10                                       | 0.066 | 0.071 | 0.075 | 0.080 | 0.085 | 0.089 | 0.094 |       |       |       |       |       |       |
| 12                                       | 0.093 | 0.099 | 0.106 | 0.112 | 0.119 | 0.125 | 0.132 | 0.138 |       |       |       |       |       |
| 14                                       | 0.124 | 0.132 | 0.141 | 0.149 | 0.158 | 0.166 | 0.175 | 0.184 | 0.192 |       |       |       |       |
| 16                                       | 0.158 | 0.169 | 0.180 | 0.191 | 0.202 | 0.213 | 0.224 | 0.235 | 0.246 | 0.257 |       |       |       |
| 18                                       | 0.197 | 0.210 | 0.224 | 0.238 | 0.251 | 0.265 | 0.279 | 0.292 | 0.306 | 0.320 | 0.334 | 0.348 |       |
| 20                                       | 0.239 | 0.256 | 0.272 | 0.289 | 0.305 | 0.322 | 0.339 | 0.355 | 0.372 | 0.389 | 0.406 | 0.422 | 0.439 |
| 22                                       | 0.285 | 0.305 | 0.325 | 0.345 | 0.364 | 0.384 | 0.404 | 0.424 | 0.444 | 0.464 | 0.484 | 0.504 | 0.524 |
| 24                                       | 0.335 | 0.358 | 0.382 | 0.405 | 0.428 | 0.451 | 0.475 | 0.498 | 0.522 | 0.545 | 0.569 | 0.592 | 0.616 |
| 26                                       | 0.389 | 0.416 | 0.443 | 0.470 | 0.497 | 0.524 | 0.551 | 0.578 | 0.605 | 0.632 | 0.659 | 0.687 | 0.714 |
| 28                                       | 0.446 | 0.477 | 0.508 | 0.539 | 0.570 | 0.601 | 0.632 | 0.663 | 0.694 | 0.725 | 0.756 | 0.788 | 0.819 |
| 30                                       | 0.507 | 0.542 | 0.577 | 0.612 | 0.647 | 0.682 | 0.718 | 0.753 | 0.789 | 0.824 | 0.859 | 0.895 | 0.931 |
| 32                                       | 0.571 | 0.611 | 0.650 | 0.690 | 0.729 | 0.769 | 0.809 | 0.849 | 0.889 | 0.929 | 0.969 | 1.009 | 1.049 |
| 34                                       | 0.639 | 0.683 | 0.727 | 0.772 | 0.816 | 0.860 | 0.905 | 0.950 | 0.994 | 1.039 | 1.084 | 1.128 | 1.173 |
| 36                                       | 0.711 | 0.760 | 0.809 | 0.858 | 0.907 | 0.957 | 1.006 | 1.056 | 1.105 | 1.155 | 1.205 | 1.254 | 1.304 |
| 38                                       | 0.785 | 0.840 | 0.894 | 0.948 | 1.003 | 1.057 | 1.112 | 1.167 | 1.222 | 1.276 | 1.331 | 1.387 | 1.442 |
| 40                                       |       | 0.923 | 0.983 | 1.043 | 1.103 | 1.163 | 1.223 | 1.283 | 1.343 | 1.404 | 1.464 | 1.525 | 1.585 |



续表 29

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        | 0.456 | 0.473 |       |       |       |       |       |       |       |       |       |       |       |
| 22                                        | 0.544 | 0.564 | 0.584 | 0.604 | 0.625 | 0.645 |       |       |       |       |       |       |       |
| 24                                        | 0.639 | 0.663 | 0.686 | 0.710 | 0.734 | 0.758 | 0.781 |       |       |       |       |       |       |
| 26                                        | 0.741 | 0.769 | 0.796 | 0.824 | 0.851 | 0.879 | 0.906 | 0.934 |       |       |       |       |       |
| 28                                        | 0.850 | 0.882 | 0.913 | 0.945 | 0.976 | 1.008 | 1.039 | 1.071 | 1.103 |       |       |       |       |
| 30                                        | 0.966 | 1.002 | 1.038 | 1.073 | 1.109 | 1.145 | 1.181 | 1.217 | 1.253 | 1.289 |       |       |       |
| 32                                        | 1.089 | 1.129 | 1.169 | 1.210 | 1.250 | 1.290 | 1.331 | 1.371 | 1.412 | 1.452 | 1.493 |       |       |
| 34                                        | 1.218 | 1.263 | 1.308 | 1.353 | 1.399 | 1.444 | 1.489 | 1.534 | 1.580 | 1.625 | 1.670 | 1.716 |       |
| 36                                        | 1.354 | 1.404 | 1.454 | 1.505 | 1.555 | 1.605 | 1.655 | 1.706 | 1.756 | 1.806 | 1.857 | 1.907 | 1.958 |
| 38                                        | 1.497 | 1.552 | 1.608 | 1.663 | 1.718 | 1.774 | 1.830 | 1.885 | 1.941 | 1.997 | 2.052 | 2.108 | 2.164 |
| 40                                        | 1.646 | 1.707 | 1.768 | 1.829 | 1.890 | 1.951 | 2.012 | 2.073 | 2.134 | 2.196 | 2.257 | 2.318 | 2.380 |

续表29

| $\begin{array}{c} H \\ V \\ D \end{array}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                         | 1.076 | 1.141 | 1.207 | 1.273 | 1.338 | 1.404 | 1.470 | 1.536 | 1.603 | 1.669 | 1.735 | 1.802 | 1.868 | 1.935 |
| 44                                         |       | 1.244 | 1.315 | 1.387 | 1.459 | 1.531 | 1.603 | 1.675 | 1.747 | 1.819 | 1.891 | 1.964 | 2.036 | 2.109 |
| 46                                         |       |       | 1.428 | 1.506 | 1.584 | 1.662 | 1.740 | 1.818 | 1.897 | 1.975 | 2.054 | 2.132 | 2.211 | 2.290 |
| 48                                         |       |       | 1.545 | 1.629 | 1.714 | 1.798 | 1.883 | 1.967 | 2.052 | 2.137 | 2.222 | 2.307 | 2.392 | 2.478 |
| 50                                         |       |       |       | 1.757 | 1.848 | 1.939 | 2.031 | 2.122 | 2.213 | 2.305 | 2.396 | 2.488 | 2.580 | 2.672 |
| 52                                         |       |       |       | 1.890 | 1.988 | 2.085 | 2.183 | 2.282 | 2.380 | 2.478 | 2.577 | 2.676 | 2.775 | 2.873 |
| 54                                         |       |       |       |       | 2.131 | 2.236 | 2.342 | 2.447 | 2.552 | 2.658 | 2.764 | 2.869 | 2.975 | 3.081 |
| 56                                         |       |       |       |       | 2.280 | 2.392 | 2.505 | 2.617 | 2.730 | 2.843 | 2.956 | 3.069 | 3.183 | 3.296 |
| 58                                         |       |       |       |       |       | 2.553 | 2.673 | 2.793 | 2.913 | 3.034 | 3.155 | 3.275 | 3.396 | 3.517 |
| 60                                         |       |       |       |       |       | 2.718 | 2.846 | 2.974 | 3.102 | 3.230 | 3.359 | 3.488 | 3.616 | 3.745 |
| 62                                         |       |       |       |       |       |       | 3.024 | 3.160 | 3.296 | 3.433 | 3.569 | 3.706 | 3.843 | 3.980 |
| 64                                         |       |       |       |       |       |       | 3.207 | 3.351 | 3.496 | 3.640 | 3.785 | 3.930 | 4.075 | 4.221 |
| 66                                         |       |       |       |       |       |       |       | 3.548 | 3.701 | 3.854 | 4.007 | 4.161 | 4.314 | 4.468 |
| 68                                         |       |       |       |       |       |       |       | 3.750 | 3.911 | 4.073 | 4.235 | 4.397 | 4.560 | 4.722 |
| 70                                         |       |       |       |       |       |       |       |       | 4.127 | 4.298 | 4.469 | 4.640 | 4.811 | 4.983 |
| 72                                         |       |       |       |       |       |       |       |       | 4.348 | 4.528 | 4.708 | 4.888 | 5.069 | 5.249 |
| 74                                         |       |       |       |       |       |       |       |       |       | 4.763 | 4.953 | 5.143 | 5.332 | 5.523 |
| 76                                         |       |       |       |       |       |       |       |       |       | 5.004 | 5.204 | 5.403 | 5.602 | 5.802 |
| 78                                         |       |       |       |       |       |       |       |       |       |       | 5.460 | 5.669 | 5.878 | 6.088 |
| 80                                         |       |       |       |       |       |       |       |       |       |       | 5.722 | 5.941 | 6.161 | 6.380 |

续表 29

| $\begin{matrix} V & H \\ D \end{matrix}$ | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 2.002 | 2.068 | 2.135 | 2.202 | 2.269 | 2.336 | 2.403 | 2.470 | 2.537 | 2.605 | 2.672 | 2.739 | 2.807 |       |
| 44                                       | 2.182 | 2.254 | 2.327 | 2.400 | 2.473 | 2.546 | 2.619 | 2.693 | 2.766 | 2.839 | 2.912 | 2.986 | 3.059 | 3.133 |
| 46                                       | 2.369 | 2.448 | 2.527 | 2.606 | 2.685 | 2.765 | 2.844 | 2.924 | 3.003 | 3.083 | 3.162 | 3.242 | 3.322 | 3.402 |
| 48                                       | 2.563 | 2.649 | 2.734 | 2.820 | 2.905 | 2.991 | 3.077 | 3.163 | 3.249 | 3.335 | 3.422 | 3.508 | 3.594 | 3.681 |
| 50                                       | 2.764 | 2.856 | 2.949 | 3.041 | 3.134 | 3.226 | 3.319 | 3.412 | 3.504 | 3.597 | 3.690 | 3.783 | 3.877 | 3.970 |
| 52                                       | 2.972 | 3.072 | 3.171 | 3.270 | 3.370 | 3.469 | 3.569 | 3.669 | 3.768 | 3.868 | 3.968 | 4.068 | 4.169 | 4.269 |
| 54                                       | 3.188 | 3.294 | 3.400 | 3.507 | 3.614 | 3.720 | 3.827 | 3.934 | 4.041 | 4.148 | 4.256 | 4.363 | 4.470 | 4.578 |
| 56                                       | 3.410 | 3.523 | 3.637 | 3.751 | 3.865 | 3.980 | 4.094 | 4.208 | 4.323 | 4.437 | 4.552 | 4.667 | 4.782 | 4.897 |
| 58                                       | 3.639 | 3.760 | 3.881 | 4.003 | 4.125 | 4.247 | 4.369 | 4.491 | 4.613 | 4.735 | 4.858 | 4.980 | 5.103 | 5.225 |
| 60                                       | 3.874 | 4.004 | 4.133 | 4.262 | 4.392 | 4.522 | 4.652 | 4.782 | 4.912 | 5.042 | 5.172 | 5.303 | 5.433 | 5.564 |
| 62                                       | 4.117 | 4.254 | 4.392 | 4.529 | 4.667 | 4.805 | 4.943 | 5.081 | 5.219 | 5.358 | 5.496 | 5.635 | 5.773 | 5.912 |
| 64                                       | 4.366 | 4.512 | 4.658 | 4.804 | 4.950 | 5.096 | 5.242 | 5.389 | 5.535 | 5.682 | 5.829 | 5.976 | 6.123 | 6.270 |
| 66                                       | 4.622 | 4.776 | 4.931 | 5.085 | 5.240 | 5.395 | 5.550 | 5.705 | 5.860 | 6.015 | 6.171 | 6.326 | 6.482 | 6.638 |
| 68                                       | 4.885 | 5.048 | 5.211 | 5.374 | 5.538 | 5.701 | 5.865 | 6.029 | 6.193 | 6.357 | 6.521 | 6.686 | 6.850 | 7.015 |
| 70                                       | 5.154 | 5.326 | 5.498 | 5.671 | 5.843 | 6.016 | 6.188 | 6.361 | 6.534 | 6.708 | 6.881 | 7.055 | 7.228 | 7.402 |
| 72                                       | 5.430 | 5.611 | 5.793 | 5.974 | 6.156 | 6.338 | 6.520 | 6.702 | 6.884 | 7.067 | 7.250 | 7.432 | 7.615 | 7.798 |
| 74                                       | 5.713 | 5.903 | 6.094 | 6.285 | 6.476 | 6.668 | 6.859 | 7.051 | 7.243 | 7.435 | 7.627 | 7.819 | 8.012 | 8.204 |
| 76                                       | 6.002 | 6.202 | 6.403 | 6.603 | 6.804 | 7.005 | 7.206 | 7.408 | 7.609 | 7.811 | 8.013 | 8.215 | 8.417 | 8.620 |
| 78                                       | 6.298 | 6.508 | 6.718 | 6.929 | 7.139 | 7.350 | 7.561 | 7.773 | 7.984 | 8.196 | 8.408 | 8.620 | 8.832 | 9.044 |
| 80                                       | 6.600 | 6.820 | 7.041 | 7.261 | 7.482 | 7.703 | 7.924 | 8.146 | 8.367 | 8.589 | 8.811 | 9.033 | 9.256 | 9.478 |

续表 29

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 45    | 46    | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58 |
|-------------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| 42                                        |       |       |        |        |        |        |        |        |        |        |        |        |        |    |
| 44                                        |       |       |        |        |        |        |        |        |        |        |        |        |        |    |
| 46                                        | 3.482 |       |        |        |        |        |        |        |        |        |        |        |        |    |
| 48                                        | 3.767 | 3.854 |        |        |        |        |        |        |        |        |        |        |        |    |
| 50                                        | 4.063 | 4.156 | 4.250  |        |        |        |        |        |        |        |        |        |        |    |
| 52                                        | 4.369 | 4.469 | 4.570  | 4.670  |        |        |        |        |        |        |        |        |        |    |
| 54                                        | 4.685 | 4.793 | 4.901  | 5.008  | 5.116  |        |        |        |        |        |        |        |        |    |
| 56                                        | 5.012 | 5.127 | 5.242  | 5.357  | 5.473  | 5.588  |        |        |        |        |        |        |        |    |
| 58                                        | 5.348 | 5.471 | 5.594  | 5.717  | 5.840  | 5.963  | 6.087  |        |        |        |        |        |        |    |
| 60                                        | 5.695 | 5.826 | 5.956  | 6.087  | 6.219  | 6.350  | 6.481  | 6.612  |        |        |        |        |        |    |
| 62                                        | 6.051 | 6.190 | 6.329  | 6.469  | 6.608  | 6.747  | 6.887  | 7.026  | 7.166  |        |        |        |        |    |
| 64                                        | 6.418 | 6.565 | 6.713  | 6.860  | 7.008  | 7.156  | 7.304  | 7.452  | 7.600  | 7.748  |        |        |        |    |
| 66                                        | 6.794 | 6.950 | 7.106  | 7.262  | 7.419  | 7.575  | 7.732  | 7.889  | 8.046  | 8.203  | 8.360  |        |        |    |
| 68                                        | 7.180 | 7.345 | 7.510  | 7.675  | 7.841  | 8.006  | 8.171  | 8.337  | 8.503  | 8.669  | 8.835  | 9.001  |        |    |
| 70                                        | 7.576 | 7.750 | 7.924  | 8.098  | 8.273  | 8.447  | 8.622  | 8.797  | 8.972  | 9.147  | 9.322  | 9.497  | 9.672  |    |
| 72                                        | 7.982 | 8.165 | 8.348  | 8.532  | 8.716  | 8.900  | 9.084  | 9.268  | 9.452  | 9.637  | 9.821  | 10.006 | 10.190 |    |
| 74                                        | 8.397 | 8.590 | 8.783  | 8.976  | 9.170  | 9.363  | 9.557  | 9.750  | 9.944  | 10.138 | 10.332 | 10.526 | 10.721 |    |
| 76                                        | 8.822 | 9.025 | 9.228  | 9.431  | 9.634  | 9.837  | 10.040 | 10.244 | 10.448 | 10.651 | 10.855 | 11.059 | 11.263 |    |
| 78                                        | 9.257 | 9.469 | 9.682  | 9.895  | 10.108 | 10.322 | 10.535 | 10.749 | 10.962 | 11.176 | 11.390 | 11.604 | 11.818 |    |
| 80                                        | 9.701 | 9.924 | 10.147 | 10.370 | 10.594 | 10.817 | 11.041 | 11.265 | 11.488 | 11.713 | 11.937 | 12.161 | 12.386 |    |

续表 29

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 29    | 30    | 31    | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     |
|-------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 6.449 | 6.679 | 6.909 | 7.139  | 7.370  | 7.601  | 7.832  | 8.064  | 8.295  | 8.527  | 8.759  | 8.991  | 9.224  | 9.456  |
| 84                                        | 6.743 | 6.984 | 7.224 | 7.465  | 7.706  | 7.948  | 8.190  | 8.432  | 8.674  | 8.916  | 9.159  | 9.401  | 9.644  | 9.888  |
| 86                                        | 7.043 | 7.295 | 7.546 | 7.798  | 8.050  | 8.302  | 8.554  | 8.807  | 9.060  | 9.313  | 9.567  | 9.820  | 10.074 | 10.328 |
| 88                                        | 7.350 | 7.612 | 7.874 | 8.137  | 8.400  | 8.663  | 8.926  | 9.190  | 9.454  | 9.718  | 9.983  | 10.247 | 10.512 | 10.777 |
| 90                                        |       | 7.935 | 8.209 | 8.483  | 8.757  | 9.031  | 9.306  | 9.581  | 9.856  | 10.131 | 10.407 | 10.683 | 10.959 | 11.235 |
| 92                                        |       | 8.265 | 8.550 | 8.835  | 9.120  | 9.406  | 9.692  | 9.978  | 10.265 | 10.552 | 10.839 | 11.126 | 11.414 | 11.702 |
| 94                                        |       |       | 8.897 | 9.194  | 9.491  | 9.788  | 10.086 | 10.384 | 10.682 | 10.981 | 11.279 | 11.578 | 11.878 | 12.177 |
| 96                                        |       |       | 9.251 | 9.559  | 9.868  | 10.177 | 10.487 | 10.797 | 11.107 | 11.417 | 11.728 | 12.039 | 12.350 | 12.661 |
| 98                                        |       |       |       | 9.931  | 10.252 | 10.574 | 10.895 | 11.217 | 11.539 | 11.862 | 12.184 | 12.507 | 12.831 | 13.154 |
| 100                                       |       |       |       | 10.310 | 10.643 | 10.977 | 11.310 | 11.644 | 11.979 | 12.314 | 12.649 | 12.984 | 13.320 | 13.655 |
| 102                                       |       |       |       |        | 11.041 | 11.387 | 11.733 | 12.079 | 12.426 | 12.774 | 13.121 | 13.469 | 13.817 | 14.166 |
| 104                                       |       |       |       |        | 11.445 | 11.803 | 12.162 | 12.522 | 12.881 | 13.241 | 13.601 | 13.962 | 14.323 | 14.684 |
| 106                                       |       |       |       |        |        | 12.227 | 12.599 | 12.971 | 13.344 | 13.717 | 14.090 | 14.463 | 14.837 | 15.211 |
| 108                                       |       |       |       |        |        | 12.658 | 13.043 | 13.428 | 13.814 | 14.200 | 14.586 | 14.973 | 15.360 | 15.747 |
| 110                                       |       |       |       |        |        | 13.095 | 13.493 | 13.892 | 14.291 | 14.690 | 15.090 | 15.490 | 15.891 | 16.291 |
| 112                                       |       |       |       |        |        | 13.540 | 13.951 | 14.363 | 14.776 | 15.189 | 15.602 | 16.016 | 16.430 | 16.844 |
| 114                                       |       |       |       |        |        | 13.991 | 14.416 | 14.842 | 15.268 | 15.695 | 16.122 | 16.549 | 16.977 | 17.405 |
| 116                                       |       |       |       |        |        | 14.449 | 14.888 | 15.328 | 15.768 | 16.209 | 16.650 | 17.091 | 17.533 | 17.975 |
| 118                                       |       |       |       |        |        | 14.913 | 15.367 | 15.821 | 16.275 | 16.730 | 17.185 | 17.641 | 18.097 | 18.553 |
| 120                                       |       |       |       |        |        | 15.385 | 15.853 | 16.321 | 16.790 | 17.259 | 17.728 | 18.198 | 18.669 | 19.139 |

续表 29

| $\begin{array}{c} V \\ \backslash \\ H \\ \swarrow \\ D \end{array}$ | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     |
|----------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                                                   | 9.689  | 9.922  | 10.155 | 10.388 | 10.622 | 10.855 | 11.089 | 11.323 | 11.557 | 11.792 | 12.026 | 12.261 | 12.495 | 12.730 |
| 84                                                                   | 10.131 | 10.375 | 10.618 | 10.862 | 11.106 | 11.351 | 11.595 | 11.840 | 12.085 | 12.330 | 12.575 | 12.820 | 13.065 | 13.311 |
| 86                                                                   | 10.582 | 10.837 | 11.091 | 11.346 | 11.601 | 11.856 | 12.112 | 12.367 | 12.623 | 12.879 | 13.135 | 13.391 | 13.647 | 13.904 |
| 88                                                                   | 11.042 | 11.308 | 11.574 | 11.840 | 12.106 | 12.372 | 12.638 | 12.905 | 13.172 | 13.439 | 13.706 | 13.973 | 14.241 | 14.509 |
| 90                                                                   | 11.512 | 11.788 | 12.065 | 12.343 | 12.620 | 12.898 | 13.175 | 13.453 | 13.732 | 14.010 | 14.288 | 14.567 | 14.846 | 15.125 |
| 92                                                                   | 11.990 | 12.278 | 12.567 | 12.855 | 13.144 | 13.433 | 13.723 | 14.012 | 14.302 | 14.592 | 14.882 | 15.172 | 15.463 | 15.753 |
| 94                                                                   | 12.477 | 12.777 | 13.077 | 13.378 | 13.678 | 13.979 | 14.280 | 14.581 | 14.883 | 15.185 | 15.487 | 15.789 | 16.091 | 16.393 |
| 96                                                                   | 12.973 | 13.285 | 13.597 | 13.909 | 14.222 | 14.535 | 14.848 | 15.161 | 15.475 | 15.788 | 16.102 | 16.416 | 16.731 | 17.045 |
| 98                                                                   | 13.478 | 13.802 | 14.126 | 14.451 | 14.776 | 15.101 | 15.426 | 15.751 | 16.077 | 16.403 | 16.729 | 17.055 | 17.382 | 17.708 |
| 100                                                                  | 13.992 | 14.328 | 14.665 | 15.002 | 15.339 | 15.676 | 16.014 | 16.352 | 16.690 | 17.028 | 17.367 | 17.705 | 18.044 | 18.383 |
| 102                                                                  | 14.514 | 14.863 | 15.212 | 15.562 | 15.912 | 16.262 | 16.612 | 16.962 | 17.313 | 17.664 | 18.015 | 18.367 | 18.718 | 19.070 |
| 104                                                                  | 15.046 | 15.402 | 15.769 | 16.132 | 16.494 | 16.857 | 17.220 | 17.583 | 17.947 | 18.311 | 18.675 | 19.039 | 19.404 | 19.768 |
| 106                                                                  | 15.586 | 15.960 | 16.336 | 16.711 | 17.086 | 17.462 | 17.838 | 18.215 | 18.591 | 18.968 | 19.345 | 19.723 | 20.100 | 20.478 |
| 108                                                                  | 16.135 | 16.523 | 16.911 | 17.299 | 17.688 | 18.077 | 18.467 | 18.856 | 19.246 | 19.636 | 20.027 | 20.417 | 20.808 | 21.199 |
| 110                                                                  | 16.692 | 17.094 | 17.495 | 17.897 | 18.299 | 18.702 | 19.105 | 19.508 | 19.911 | 20.315 | 20.719 | 21.123 | 21.527 | 21.932 |
| 112                                                                  | 17.259 | 17.674 | 18.089 | 18.504 | 18.920 | 19.337 | 19.753 | 20.170 | 20.587 | 21.004 | 21.422 | 21.839 | 22.258 | 22.676 |
| 114                                                                  | 17.834 | 18.262 | 18.692 | 19.121 | 19.551 | 19.981 | 20.411 | 20.842 | 21.273 | 21.704 | 22.135 | 22.567 | 22.999 | 23.431 |
| 116                                                                  | 18.417 | 18.860 | 19.303 | 19.747 | 20.191 | 20.635 | 21.079 | 21.524 | 21.969 | 22.414 | 22.860 | 23.306 | 23.752 | 24.198 |
| 118                                                                  | 19.010 | 19.467 | 19.924 | 20.382 | 20.840 | 21.298 | 21.757 | 22.216 | 22.675 | 23.135 | 23.595 | 24.055 | 24.516 | 24.977 |
| 120                                                                  | 19.611 | 20.082 | 20.554 | 21.026 | 21.499 | 21.972 | 22.445 | 22.918 | 23.392 | 23.866 | 24.341 | 24.816 | 25.291 | 25.766 |

续表 29

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 57     | 58     | 59     | 60     | 61     | 62     | 63     | 64     | 65     | 66     | 67     | 68     | 69     | 70     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 12.965 | 13.200 | 13.436 | 13.671 | 13.906 | 14.142 | 14.378 |        |        |        |        |        |        |        |
| 84                                        | 13.557 | 13.803 | 14.049 | 14.295 | 14.541 | 14.788 | 15.034 | 15.281 |        |        |        |        |        |        |
| 86                                        | 14.161 | 14.417 | 14.674 | 14.931 | 15.189 | 15.446 | 15.704 | 15.961 | 16.219 |        |        |        |        |        |
| 88                                        | 14.776 | 15.044 | 15.312 | 15.581 | 15.849 | 16.118 | 16.387 | 16.655 | 16.924 | 17.194 |        |        |        |        |
| 90                                        | 15.404 | 15.684 | 15.963 | 16.243 | 16.523 | 16.803 | 17.083 | 17.363 | 17.644 | 17.924 | 18.205 |        |        |        |
| 92                                        | 16.044 | 16.335 | 16.626 | 16.918 | 17.209 | 17.501 | 17.792 | 18.084 | 18.376 | 18.669 | 18.961 | 19.254 |        |        |
| 94                                        | 16.696 | 16.999 | 17.302 | 17.605 | 17.908 | 18.212 | 18.515 | 18.819 | 19.123 | 19.427 | 19.731 | 20.036 | 20.340 |        |
| 96                                        | 17.360 | 17.675 | 17.990 | 18.305 | 18.620 | 18.936 | 19.251 | 19.567 | 19.883 | 20.200 | 20.516 | 20.832 | 21.149 | 21.466 |
| 98                                        | 18.035 | 18.362 | 18.690 | 19.017 | 19.345 | 19.673 | 20.001 | 20.329 | 20.657 | 20.986 | 21.314 | 21.643 | 21.972 | 22.301 |
| 100                                       | 18.723 | 19.062 | 19.402 | 19.742 | 20.082 | 20.423 | 20.763 | 21.104 | 21.445 | 21.786 | 22.127 | 22.468 | 22.810 | 23.152 |
| 102                                       | 19.422 | 19.774 | 20.127 | 20.479 | 20.832 | 21.185 | 21.539 | 21.892 | 22.246 | 22.599 | 22.953 | 23.307 | 23.662 | 24.016 |
| 104                                       | 20.133 | 20.498 | 20.864 | 21.229 | 21.595 | 21.961 | 22.327 | 22.693 | 23.060 | 23.427 | 23.794 | 24.161 | 24.528 | 24.895 |
| 106                                       | 20.856 | 21.234 | 21.613 | 21.991 | 22.370 | 22.749 | 23.129 | 23.508 | 23.888 | 24.268 | 24.648 | 25.028 | 25.409 | 25.789 |
| 108                                       | 21.590 | 21.982 | 22.374 | 22.766 | 23.158 | 23.551 | 23.943 | 24.336 | 24.729 | 25.122 | 25.516 | 25.910 | 26.303 | 26.698 |
| 110                                       | 22.337 | 22.742 | 23.147 | 23.553 | 23.958 | 24.365 | 24.771 | 25.177 | 25.584 | 25.991 | 26.398 | 26.805 | 27.213 | 27.620 |
| 112                                       | 23.095 | 23.513 | 23.932 | 24.352 | 24.771 | 25.191 | 25.611 | 26.031 | 26.452 | 26.873 | 27.293 | 27.715 | 28.136 | 28.557 |
| 114                                       | 23.864 | 24.297 | 24.730 | 25.163 | 25.597 | 26.030 | 26.464 | 26.899 | 27.333 | 27.768 | 28.203 | 28.638 | 29.073 | 29.509 |
| 116                                       | 24.645 | 25.092 | 25.539 | 25.987 | 26.434 | 26.882 | 27.331 | 27.779 | 28.228 | 28.677 | 29.126 | 29.575 | 30.025 | 30.475 |
| 118                                       | 25.438 | 25.899 | 26.361 | 26.822 | 27.285 | 27.747 | 28.210 | 28.672 | 29.136 | 29.599 | 30.063 | 30.526 | 30.990 | 31.455 |
| 120                                       | 26.242 | 26.718 | 27.194 | 27.670 | 28.147 | 28.624 | 29.101 | 29.579 | 30.057 | 30.535 | 31.013 | 31.491 | 31.970 | 32.449 |

续表 29

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                        | 15.863 | 16.345 | 16.828 | 17.311 | 17.795 | 18.279 | 18.764 | 19.249 | 19.734 | 20.220 | 20.706 | 21.193 | 21.680 |
| 124                                        | 16.348 | 16.845 | 17.343 | 17.841 | 18.339 | 18.838 | 19.338 | 19.837 | 20.338 | 20.838 | 21.339 | 21.841 | 22.342 |
| 126                                        | 16.839 | 17.351 | 17.864 | 18.377 | 18.891 | 19.405 | 19.919 | 20.434 | 20.949 | 21.465 | 21.981 | 22.497 | 23.014 |
| 128                                        | 17.338 | 17.865 | 18.393 | 18.921 | 19.450 | 19.979 | 20.508 | 21.039 | 21.569 | 22.100 | 22.631 | 23.163 | 23.695 |
| 130                                        | 17.843 | 18.385 | 18.928 | 19.472 | 20.016 | 20.561 | 21.106 | 21.651 | 22.197 | 22.744 | 23.291 | 23.838 | 24.385 |
| 132                                        | 18.354 | 18.912 | 19.471 | 20.030 | 20.590 | 21.150 | 21.711 | 22.272 | 22.834 | 23.396 | 23.958 | 24.521 | 25.085 |
| 134                                        | 18.873 | 19.446 | 20.021 | 20.596 | 21.171 | 21.748 | 22.324 | 22.901 | 23.479 | 24.056 | 24.635 | 25.214 | 25.793 |
| 136                                        | 19.397 | 19.987 | 20.578 | 21.169 | 21.760 | 22.352 | 22.945 | 23.538 | 24.132 | 24.726 | 25.320 | 25.915 | 26.510 |
| 138                                        | 19.929 | 20.535 | 21.142 | 21.749 | 22.357 | 22.965 | 23.574 | 24.183 | 24.793 | 25.403 | 26.014 | 26.625 | 27.237 |
| 140                                        | 20.467 | 21.089 | 21.713 | 22.336 | 22.960 | 23.585 | 24.210 | 24.836 | 25.462 | 26.089 | 26.716 | 27.344 | 27.972 |
| 142                                        | 21.012 | 21.651 | 22.290 | 22.931 | 23.571 | 24.213 | 24.855 | 25.497 | 26.140 | 26.783 | 27.427 | 28.072 | 28.717 |
| 144                                        | 21.563 | 22.219 | 22.875 | 23.532 | 24.190 | 24.848 | 25.507 | 26.166 | 26.826 | 27.486 | 28.147 | 28.808 | 29.470 |
| 146                                        | 22.121 | 22.794 | 23.467 | 24.141 | 24.816 | 25.491 | 26.167 | 26.843 | 27.520 | 28.197 | 28.875 | 29.554 | 30.233 |
| 148                                        | 22.685 | 23.375 | 24.066 | 24.757 | 25.449 | 26.141 | 26.834 | 27.528 | 28.222 | 28.917 | 29.612 | 30.308 | 31.004 |
| 150                                        | 23.256 | 23.963 | 24.671 | 25.380 | 26.089 | 26.799 | 27.509 | 28.221 | 28.932 | 29.644 | 30.357 | 31.070 | 31.784 |
| 152                                        | 23.834 | 24.559 | 25.284 | 26.010 | 26.737 | 27.464 | 28.193 | 28.921 | 29.651 | 30.380 | 31.111 | 31.842 | 32.573 |
| 154                                        | 24.418 | 25.160 | 25.903 | 26.647 | 27.392 | 28.137 | 28.883 | 29.630 | 30.377 | 31.125 | 31.873 | 32.622 | 33.372 |
| 156                                        | 25.008 | 25.769 | 26.530 | 27.292 | 28.054 | 28.818 | 29.582 | 30.346 | 31.112 | 31.877 | 32.644 | 33.411 | 34.178 |
| 158                                        | 25.605 | 26.384 | 27.163 | 27.943 | 28.724 | 29.506 | 30.288 | 31.071 | 31.854 | 32.638 | 33.423 | 34.208 | 34.994 |
| 160                                        | 26.208 | 27.005 | 27.803 | 28.602 | 29.401 | 30.201 | 31.002 | 31.803 | 32.605 | 33.407 | 34.211 | 35.015 | 35.819 |
| 162                                        | 26.818 | 27.634 | 28.450 | 29.267 | 30.085 | 30.904 | 31.723 | 32.543 | 33.364 | 34.185 | 35.007 | 35.829 | 36.652 |
| 164                                        | 27.435 | 28.269 | 29.104 | 29.940 | 30.777 | 31.614 | 32.452 | 33.291 | 34.130 | 34.970 | 35.811 | 36.653 | 37.495 |
| 166                                        | 28.057 | 28.911 | 29.765 | 30.620 | 31.475 | 32.332 | 33.189 | 34.047 | 34.905 | 35.764 | 36.624 | 37.485 | 38.346 |



续表 29

| $\begin{matrix} V & H \\ D \end{matrix}$ | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                      | 22.167 | 22.655 | 23.142 | 23.631 | 24.119 | 24.608 | 25.097 | 25.587 | 26.077 | 26.567 | 27.057 | 27.548 | 28.039 |
| 124                                      | 22.845 | 23.347 | 23.850 | 24.353 | 24.857 | 25.360 | 25.865 | 26.369 | 26.874 | 27.379 | 27.884 | 28.390 | 28.896 |
| 126                                      | 23.532 | 24.049 | 24.567 | 25.085 | 25.604 | 26.123 | 26.642 | 27.162 | 27.682 | 28.202 | 28.723 | 29.244 | 29.765 |
| 128                                      | 24.228 | 24.761 | 25.294 | 25.828 | 26.362 | 26.896 | 27.431 | 27.966 | 28.501 | 29.037 | 29.573 | 30.109 | 30.646 |
| 130                                      | 24.933 | 25.482 | 26.031 | 26.580 | 27.130 | 27.679 | 28.230 | 28.780 | 29.331 | 29.883 | 30.434 | 30.986 | 31.539 |
| 132                                      | 25.648 | 26.213 | 26.777 | 27.342 | 27.907 | 28.473 | 29.039 | 29.606 | 30.172 | 30.740 | 31.307 | 31.875 | 32.443 |
| 134                                      | 26.373 | 26.953 | 27.533 | 28.114 | 28.695 | 29.277 | 29.859 | 30.442 | 31.024 | 31.608 | 32.191 | 32.775 | 33.359 |
| 136                                      | 27.106 | 27.702 | 28.299 | 28.896 | 29.494 | 30.091 | 30.690 | 31.288 | 31.887 | 32.487 | 33.086 | 33.686 | 34.287 |
| 138                                      | 27.849 | 28.462 | 29.075 | 29.688 | 30.302 | 30.916 | 31.531 | 32.146 | 32.761 | 33.377 | 33.993 | 34.609 | 35.226 |
| 140                                      | 28.601 | 29.230 | 29.860 | 30.490 | 31.120 | 31.751 | 32.382 | 33.014 | 33.646 | 34.278 | 34.911 | 35.544 | 36.178 |
| 142                                      | 29.362 | 30.008 | 30.654 | 31.301 | 31.948 | 32.596 | 33.244 | 33.892 | 34.541 | 35.190 | 35.840 | 36.490 | 37.140 |
| 144                                      | 30.133 | 30.795 | 31.459 | 32.122 | 32.786 | 33.451 | 34.116 | 34.782 | 35.447 | 36.114 | 36.780 | 37.447 | 38.115 |
| 146                                      | 30.912 | 31.592 | 32.272 | 32.953 | 33.635 | 34.316 | 34.999 | 35.681 | 36.364 | 37.048 | 37.732 | 38.416 | 39.101 |
| 148                                      | 31.701 | 32.398 | 33.096 | 33.794 | 34.493 | 35.192 | 35.892 | 36.592 | 37.292 | 37.993 | 38.695 | 39.396 | 40.098 |
| 150                                      | 32.499 | 33.213 | 33.929 | 34.645 | 35.361 | 36.078 | 36.795 | 37.513 | 38.231 | 38.949 | 39.668 | 40.388 | 41.108 |
| 152                                      | 33.305 | 34.038 | 34.771 | 35.505 | 36.239 | 36.973 | 37.709 | 38.444 | 39.180 | 39.916 | 40.653 | 41.391 | 42.128 |
| 154                                      | 34.122 | 34.872 | 35.623 | 36.375 | 37.127 | 37.879 | 38.632 | 39.386 | 40.140 | 40.894 | 41.649 | 42.405 | 43.161 |
| 156                                      | 34.947 | 35.715 | 36.485 | 37.254 | 38.025 | 38.795 | 39.567 | 40.338 | 41.111 | 41.883 | 42.657 | 43.430 | 44.204 |
| 158                                      | 35.781 | 36.568 | 37.355 | 38.144 | 38.932 | 39.721 | 40.511 | 41.301 | 42.092 | 42.883 | 43.675 | 44.467 | 45.259 |
| 160                                      | 36.624 | 37.430 | 38.236 | 39.042 | 39.850 | 40.657 | 41.466 | 42.275 | 43.084 | 43.894 | 44.704 | 45.515 | 46.326 |
| 162                                      | 37.476 | 38.301 | 39.125 | 39.951 | 40.777 | 41.604 | 42.431 | 43.258 | 44.086 | 44.915 | 45.744 | 46.574 | 47.404 |
| 164                                      | 38.337 | 39.181 | 40.025 | 40.869 | 41.714 | 42.560 | 43.406 | 44.252 | 45.100 | 45.947 | 46.795 | 47.644 | 48.493 |
| 166                                      | 39.208 | 40.070 | 40.933 | 41.797 | 42.661 | 43.526 | 44.391 | 45.257 | 46.123 | 46.990 | 47.858 | 48.726 | 49.594 |

续表 29

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 60     | 61     | 62     | 63     | 64     | 65     | 66     | 67     | 68     | 69     | 70     |  |  |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 122                                       | 28.530 | 29.022 | 29.514 | 30.006 | 30.498 | 30.991 | 31.484 | 31.977 | 32.470 | 32.964 | 33.458 |  |  |
| 124                                       | 29.403 | 29.909 | 30.416 | 30.923 | 31.430 | 31.938 | 32.446 | 32.954 | 33.463 | 33.971 | 34.480 |  |  |
| 126                                       | 30.287 | 30.809 | 31.331 | 31.853 | 32.376 | 32.899 | 33.422 | 33.945 | 34.469 | 34.993 | 35.517 |  |  |
| 128                                       | 31.183 | 31.720 | 32.258 | 32.796 | 33.334 | 33.872 | 34.411 | 34.950 | 35.489 | 36.028 | 36.568 |  |  |
| 130                                       | 32.091 | 32.644 | 33.197 | 33.751 | 34.305 | 34.859 | 35.413 | 35.968 | 36.523 | 37.078 | 37.633 |  |  |
| 132                                       | 33.011 | 33.580 | 34.149 | 34.719 | 35.288 | 35.858 | 36.428 | 36.999 | 37.570 | 38.141 | 38.712 |  |  |
| 134                                       | 33.943 | 34.528 | 35.113 | 35.699 | 36.285 | 36.871 | 37.457 | 38.044 | 38.631 | 39.218 | 39.806 |  |  |
| 136                                       | 34.888 | 35.489 | 36.090 | 36.692 | 37.294 | 37.896 | 38.499 | 39.102 | 39.705 | 40.309 | 40.913 |  |  |
| 138                                       | 35.844 | 36.461 | 37.079 | 37.697 | 38.316 | 38.935 | 39.554 | 40.173 | 40.793 | 41.413 | 42.034 |  |  |
| 140                                       | 36.811 | 37.446 | 38.080 | 38.715 | 39.350 | 39.986 | 40.622 | 41.258 | 41.895 | 42.532 | 43.169 |  |  |
| 142                                       | 37.791 | 38.442 | 39.094 | 39.746 | 40.398 | 41.050 | 41.703 | 42.356 | 43.010 | 43.664 | 44.318 |  |  |
| 144                                       | 38.783 | 39.451 | 40.119 | 40.788 | 41.458 | 42.127 | 42.797 | 43.467 | 44.138 | 44.809 | 45.480 |  |  |
| 146                                       | 39.786 | 40.471 | 41.157 | 41.844 | 42.530 | 43.217 | 43.904 | 44.592 | 45.280 | 45.968 | 46.657 |  |  |
| 148                                       | 40.801 | 41.504 | 42.207 | 42.911 | 43.615 | 44.320 | 45.025 | 45.730 | 46.435 | 47.141 | 47.847 |  |  |
| 150                                       | 41.828 | 42.549 | 43.270 | 43.991 | 44.713 | 45.435 | 46.158 | 46.881 | 47.604 | 48.328 | 49.052 |  |  |
| 152                                       | 42.867 | 43.605 | 44.344 | 45.083 | 45.823 | 46.563 | 47.304 | 48.045 | 48.786 | 49.528 | 50.270 |  |  |
| 154                                       | 43.917 | 44.673 | 45.431 | 46.188 | 46.946 | 47.704 | 48.463 | 49.222 | 49.981 | 50.741 | 51.501 |  |  |
| 156                                       | 44.979 | 45.754 | 46.529 | 47.305 | 48.081 | 48.858 | 49.635 | 50.412 | 51.190 | 51.968 | 52.747 |  |  |
| 158                                       | 46.052 | 46.846 | 47.640 | 48.434 | 49.229 | 50.024 | 50.819 | 51.615 | 52.412 | 53.209 | 54.006 |  |  |
| 160                                       | 47.138 | 47.950 | 48.762 | 49.575 | 50.389 | 51.203 | 52.017 | 52.832 | 53.647 | 54.462 | 55.278 |  |  |
| 162                                       | 48.235 | 49.066 | 49.897 | 50.729 | 51.561 | 52.394 | 53.227 | 54.061 | 54.895 | 55.730 | 56.565 |  |  |
| 164                                       | 49.343 | 50.193 | 51.044 | 51.895 | 52.746 | 53.598 | 54.451 | 55.304 | 56.157 | 57.010 | 57.865 |  |  |
| 166                                       | 50.463 | 51.333 | 52.202 | 53.073 | 53.944 | 54.815 | 55.687 | 56.559 | 57.432 | 58.305 | 59.178 |  |  |

## 三十一、西南地区云杉二元立木材积表 (二)

$$V = 0.000064116195 D^{1.8374832} H^{1.0280631}$$

表 30

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |       |
| 4                                      | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.011 | 0.012 |
| 6                                      | 0.004 | 0.005 | 0.007 | 0.009 | 0.011 | 0.013 | 0.015 | 0.017 | 0.018 | 0.020 | 0.022 | 0.024 | 0.026 |
| 8                                      | 0.006 | 0.009 | 0.012 | 0.015 | 0.018 | 0.022 | 0.025 | 0.028 | 0.031 | 0.034 | 0.038 | 0.041 | 0.044 |
| 10                                     |       | 0.014 | 0.018 | 0.023 | 0.028 | 0.033 | 0.037 | 0.042 | 0.047 | 0.052 | 0.057 | 0.062 | 0.066 |
| 12                                     |       |       | 0.026 | 0.032 | 0.039 | 0.046 | 0.052 | 0.059 | 0.066 | 0.073 | 0.079 | 0.086 | 0.093 |
| 14                                     |       |       |       | 0.043 | 0.052 | 0.061 | 0.069 | 0.078 | 0.087 | 0.096 | 0.105 | 0.114 | 0.123 |
| 16                                     |       |       |       |       | 0.066 | 0.077 | 0.089 | 0.100 | 0.112 | 0.123 | 0.135 | 0.146 | 0.158 |
| 18                                     |       |       |       |       |       | 0.096 | 0.110 | 0.124 | 0.139 | 0.153 | 0.167 | 0.181 | 0.196 |
| 20                                     |       |       |       |       |       |       | 0.134 | 0.151 | 0.168 | 0.185 | 0.203 | 0.220 | 0.238 |
| 22                                     |       |       |       |       |       |       |       | 0.180 | 0.200 | 0.221 | 0.242 | 0.262 | 0.283 |
| 24                                     |       |       |       |       |       |       |       |       | 0.235 | 0.259 | 0.283 | 0.308 | 0.332 |
| 26                                     |       |       |       |       |       |       |       |       |       | 0.300 | 0.328 | 0.357 | 0.385 |
| 28                                     |       |       |       |       |       |       |       |       |       |       | 0.376 | 0.409 | 0.441 |
| 30                                     |       |       |       |       |       |       |       |       |       |       | 0.427 | 0.464 | 0.501 |
| 32                                     |       |       |       |       |       |       |       |       |       |       |       | 0.522 | 0.564 |
| 34                                     |       |       |       |       |       |       |       |       |       |       |       | 0.584 | 0.630 |
| 36                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.700 |
| 38                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.773 |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表30

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.028 | 0.030 | 0.032 | 0.034 |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.047 | 0.051 | 0.054 | 0.057 | 0.060 | 0.064 |       |       |       |       |       |       |       |
| 10                                        | 0.071 | 0.076 | 0.081 | 0.086 | 0.091 | 0.096 | 0.101 |       |       |       |       |       |       |
| 12                                        | 0.100 | 0.107 | 0.113 | 0.120 | 0.127 | 0.134 | 0.141 | 0.148 |       |       |       |       |       |
| 14                                        | 0.132 | 0.142 | 0.151 | 0.160 | 0.169 | 0.178 | 0.187 | 0.196 | 0.206 |       |       |       |       |
| 16                                        | 0.169 | 0.181 | 0.193 | 0.204 | 0.216 | 0.228 | 0.239 | 0.251 | 0.263 | 0.274 |       |       |       |
| 18                                        | 0.210 | 0.225 | 0.239 | 0.254 | 0.268 | 0.283 | 0.297 | 0.312 | 0.326 | 0.341 | 0.355 | 0.370 | 0.385 |
| 20                                        | 0.255 | 0.273 | 0.290 | 0.308 | 0.325 | 0.343 | 0.361 | 0.378 | 0.396 | 0.414 | 0.431 | 0.449 | 0.467 |
| 22                                        | 0.304 | 0.325 | 0.346 | 0.367 | 0.388 | 0.408 | 0.430 | 0.451 | 0.472 | 0.493 | 0.514 | 0.535 | 0.556 |
| 24                                        | 0.357 | 0.381 | 0.406 | 0.430 | 0.455 | 0.479 | 0.504 | 0.529 | 0.553 | 0.578 | 0.603 | 0.628 | 0.653 |
| 26                                        | 0.413 | 0.441 | 0.470 | 0.498 | 0.527 | 0.555 | 0.584 | 0.612 | 0.641 | 0.670 | 0.698 | 0.727 | 0.756 |
| 28                                        | 0.473 | 0.506 | 0.538 | 0.571 | 0.604 | 0.636 | 0.669 | 0.702 | 0.735 | 0.767 | 0.800 | 0.833 | 0.866 |
| 30                                        | 0.537 | 0.574 | 0.611 | 0.648 | 0.685 | 0.722 | 0.759 | 0.797 | 0.834 | 0.871 | 0.908 | 0.946 | 0.983 |
| 32                                        | 0.605 | 0.646 | 0.688 | 0.730 | 0.771 | 0.813 | 0.855 | 0.897 | 0.939 | 0.981 | 1.023 | 1.065 | 1.107 |
| 34                                        | 0.676 | 0.723 | 0.769 | 0.816 | 0.862 | 0.909 | 0.956 | 1.003 | 1.049 | 1.096 | 1.143 | 1.190 | 1.238 |
| 36                                        | 0.751 | 0.803 | 0.854 | 0.906 | 0.958 | 1.010 | 1.062 | 1.114 | 1.166 | 1.218 | 1.270 | 1.322 | 1.375 |
| 38                                        | 0.830 | 0.887 | 0.944 | 1.001 | 1.058 | 1.115 | 1.173 | 1.230 | 1.287 | 1.345 | 1.403 | 1.460 | 1.518 |
| 40                                        | 0.912 | 0.974 | 1.037 | 1.100 | 1.162 | 1.225 | 1.288 | 1.352 | 1.415 | 1.478 | 1.541 | 1.605 | 1.668 |

续表 30

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        | 0.485 | 0.502 | 0.520 |       |       |       |       |       |       |       |       |       |       |
| 22                                        | 0.577 | 0.599 | 0.620 | 0.641 | 0.662 | 0.684 |       |       |       |       |       |       |       |
| 24                                        | 0.677 | 0.702 | 0.727 | 0.752 | 0.777 | 0.802 | 0.827 |       |       |       |       |       |       |
| 26                                        | 0.785 | 0.814 | 0.842 | 0.871 | 0.900 | 0.929 | 0.958 | 0.987 |       |       |       |       |       |
| 28                                        | 0.899 | 0.932 | 0.965 | 0.998 | 1.032 | 1.065 | 1.098 | 1.131 | 1.164 |       |       |       |       |
| 30                                        | 1.021 | 1.058 | 1.096 | 1.133 | 1.171 | 1.209 | 1.246 | 1.284 | 1.322 | 1.359 |       |       |       |
| 32                                        | 1.149 | 1.191 | 1.234 | 1.276 | 1.318 | 1.361 | 1.403 | 1.446 | 1.488 | 1.531 | 1.573 |       |       |
| 34                                        | 1.285 | 1.332 | 1.379 | 1.426 | 1.474 | 1.521 | 1.569 | 1.616 | 1.663 | 1.711 | 1.759 | 1.806 |       |
| 36                                        | 1.427 | 1.479 | 1.532 | 1.584 | 1.637 | 1.690 | 1.742 | 1.795 | 1.848 | 1.900 | 1.953 | 2.006 | 2.059 |
| 38                                        | 1.576 | 1.634 | 1.692 | 1.750 | 1.808 | 1.866 | 1.924 | 1.982 | 2.041 | 2.099 | 2.157 | 2.216 | 2.274 |
| 40                                        | 1.732 | 1.795 | 1.859 | 1.923 | 1.987 | 2.050 | 2.114 | 2.178 | 2.242 | 2.306 | 2.371 | 2.435 | 2.499 |

续表30

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.997 | 1.066 | 1.134 | 1.203 | 1.271 | 1.340 | 1.409 | 1.478 | 1.547 | 1.617 | 1.686 | 1.755 | 1.825 |
| 44                                        |       | 1.161 | 1.235 | 1.310 | 1.385 | 1.460 | 1.535 | 1.610 | 1.685 | 1.761 | 1.836 | 1.912 | 1.988 |
| 46                                        |       | 1.259 | 1.340 | 1.422 | 1.503 | 1.584 | 1.666 | 1.747 | 1.829 | 1.911 | 1.993 | 2.075 | 2.157 |
| 48                                        |       |       | 1.449 | 1.537 | 1.625 | 1.713 | 1.801 | 1.889 | 1.978 | 2.066 | 2.155 | 2.243 | 2.332 |
| 50                                        |       |       | 1.562 | 1.657 | 1.752 | 1.846 | 1.941 | 2.037 | 2.132 | 2.227 | 2.323 | 2.418 | 2.514 |
| 52                                        |       |       |       | 1.781 | 1.882 | 1.984 | 2.087 | 2.189 | 2.291 | 2.394 | 2.496 | 2.599 | 2.702 |
| 54                                        |       |       |       | 1.909 | 2.018 | 2.127 | 2.236 | 2.346 | 2.456 | 2.565 | 2.675 | 2.785 | 2.896 |
| 56                                        |       |       |       |       | 2.157 | 2.274 | 2.391 | 2.508 | 2.625 | 2.743 | 2.860 | 2.978 | 3.096 |
| 58                                        |       |       |       |       | 2.301 | 2.425 | 2.550 | 2.675 | 2.800 | 2.925 | 3.051 | 3.176 | 3.302 |
| 60                                        |       |       |       |       |       | 2.581 | 2.714 | 2.847 | 2.980 | 3.113 | 3.247 | 3.380 | 3.514 |
| 62                                        |       |       |       |       |       | 2.742 | 2.883 | 3.024 | 3.165 | 3.307 | 3.448 | 3.590 | 3.732 |
| 64                                        |       |       |       |       |       |       | 3.056 | 3.205 | 3.355 | 3.505 | 3.656 | 3.806 | 3.957 |
| 66                                        |       |       |       |       |       |       | 3.234 | 3.392 | 3.551 | 3.709 | 3.868 | 4.027 | 4.187 |
| 68                                        |       |       |       |       |       |       |       | 3.583 | 3.751 | 3.918 | 4.086 | 4.255 | 4.423 |
| 70                                        |       |       |       |       |       |       |       |       | 3.956 | 4.133 | 4.310 | 4.487 | 4.665 |
| 72                                        |       |       |       |       |       |       |       |       | 4.166 | 4.352 | 4.539 | 4.726 | 4.913 |
| 74                                        |       |       |       |       |       |       |       |       |       | 4.577 | 4.773 | 4.970 | 5.166 |
| 76                                        |       |       |       |       |       |       |       |       |       | 4.807 | 5.013 | 5.219 | 5.426 |
| 78                                        |       |       |       |       |       |       |       |       |       |       | 5.258 | 5.474 | 5.691 |
| 80                                        |       |       |       |       |       |       |       |       |       |       | 5.509 | 5.735 | 5.962 |

续表30

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.894 | 1.964 | 2.033 | 2.103 | 2.173 | 2.243 | 2.313 | 2.383 | 2.453 | 2.523 | 2.593 | 2.663 | 2.733 |
| 44                                        | 2.063 | 2.139 | 2.215 | 2.291 | 2.367 | 2.443 | 2.519 | 2.595 | 2.672 | 2.748 | 2.824 | 2.901 | 2.977 |
| 46                                        | 2.239 | 2.321 | 2.403 | 2.486 | 2.568 | 2.651 | 2.733 | 2.816 | 2.899 | 2.982 | 3.065 | 3.148 | 3.231 |
| 48                                        | 2.421 | 2.510 | 2.599 | 2.688 | 2.777 | 2.866 | 2.956 | 3.045 | 3.135 | 3.224 | 3.314 | 3.404 | 3.493 |
| 50                                        | 2.610 | 2.705 | 2.801 | 2.897 | 2.994 | 3.090 | 3.186 | 3.282 | 3.379 | 3.475 | 3.572 | 3.669 | 3.765 |
| 52                                        | 2.805 | 2.908 | 3.011 | 3.114 | 3.217 | 3.321 | 3.424 | 3.528 | 3.631 | 3.735 | 3.839 | 3.943 | 4.047 |
| 54                                        | 3.006 | 3.116 | 3.227 | 3.338 | 3.448 | 3.559 | 3.670 | 3.781 | 3.892 | 4.003 | 4.115 | 4.226 | 4.337 |
| 56                                        | 3.214 | 3.332 | 3.450 | 3.568 | 3.687 | 3.805 | 3.924 | 4.042 | 4.161 | 4.280 | 4.399 | 4.518 | 4.637 |
| 58                                        | 3.428 | 3.554 | 3.680 | 3.806 | 3.932 | 4.058 | 4.185 | 4.312 | 4.438 | 4.565 | 4.692 | 4.819 | 4.946 |
| 60                                        | 3.648 | 3.782 | 3.916 | 4.050 | 4.185 | 4.319 | 4.454 | 4.589 | 4.724 | 4.858 | 4.994 | 5.129 | 5.264 |
| 62                                        | 3.875 | 4.017 | 4.159 | 4.302 | 4.445 | 4.588 | 4.731 | 4.874 | 5.017 | 5.160 | 5.304 | 5.447 | 5.591 |
| 64                                        | 4.107 | 4.258 | 4.409 | 4.560 | 4.712 | 4.863 | 5.015 | 5.166 | 5.318 | 5.470 | 5.622 | 5.774 | 5.927 |
| 66                                        | 4.346 | 4.506 | 4.666 | 4.826 | 4.986 | 5.146 | 5.306 | 5.467 | 5.628 | 5.788 | 5.949 | 6.110 | 6.271 |
| 68                                        | 4.591 | 4.760 | 4.929 | 5.098 | 5.267 | 5.436 | 5.606 | 5.775 | 5.945 | 6.115 | 6.285 | 6.455 | 6.625 |
| 70                                        | 4.843 | 5.020 | 5.199 | 5.377 | 5.555 | 5.734 | 5.912 | 6.091 | 6.270 | 6.449 | 6.629 | 6.808 | 6.988 |
| 72                                        | 5.100 | 5.287 | 5.475 | 5.662 | 5.850 | 6.038 | 6.226 | 6.415 | 6.603 | 6.792 | 6.981 | 7.170 | 7.359 |
| 74                                        | 5.363 | 5.560 | 5.757 | 5.955 | 6.152 | 6.350 | 6.548 | 6.746 | 6.944 | 7.143 | 7.341 | 7.540 | 7.739 |
| 76                                        | 5.632 | 5.839 | 6.047 | 6.254 | 6.461 | 6.669 | 6.877 | 7.085 | 7.293 | 7.501 | 7.710 | 7.919 | 8.127 |
| 78                                        | 5.908 | 6.125 | 6.342 | 6.560 | 6.777 | 6.995 | 7.213 | 7.431 | 7.650 | 7.868 | 8.087 | 8.306 | 8.525 |
| 80                                        | 6.189 | 6.417 | 6.644 | 6.872 | 7.100 | 7.328 | 7.556 | 7.785 | 8.014 | 8.243 | 8.472 | 8.701 | 8.931 |

续表30

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 41    | 42    | 43    | 44    | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     |
|-------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        | 2.804 | 2.874 | 2.944 |       |        |        |        |        |        |        |        |        |        |
| 44                                        | 3.054 | 3.130 | 3.207 | 3.284 |        |        |        |        |        |        |        |        |        |
| 46                                        | 3.314 | 3.397 | 3.480 | 3.563 | 3.646  |        |        |        |        |        |        |        |        |
| 48                                        | 3.583 | 3.673 | 3.763 | 3.853 | 3.943  | 4.033  |        |        |        |        |        |        |        |
| 50                                        | 3.862 | 3.959 | 4.056 | 4.153 | 4.250  | 4.347  | 4.444  |        |        |        |        |        |        |
| 52                                        | 4.151 | 4.255 | 4.359 | 4.463 | 4.568  | 4.672  | 4.777  | 4.881  |        |        |        |        |        |
| 54                                        | 4.449 | 4.561 | 4.672 | 4.784 | 4.896  | 5.008  | 5.120  | 5.232  | 5.344  |        |        |        |        |
| 56                                        | 4.756 | 4.876 | 4.995 | 5.115 | 5.234  | 5.354  | 5.473  | 5.593  | 5.713  | 5.833  |        |        |        |
| 58                                        | 5.073 | 5.200 | 5.328 | 5.455 | 5.583  | 5.710  | 5.838  | 5.966  | 6.093  | 6.221  | 6.349  |        |        |
| 60                                        | 5.399 | 5.535 | 5.670 | 5.806 | 5.942  | 6.077  | 6.213  | 6.349  | 6.485  | 6.621  | 6.757  | 6.894  |        |
| 62                                        | 5.735 | 5.878 | 6.022 | 6.166 | 6.311  | 6.455  | 6.599  | 6.743  | 6.888  | 7.032  | 7.177  | 7.322  | 7.467  |
| 64                                        | 6.079 | 6.232 | 6.384 | 6.537 | 6.690  | 6.842  | 6.995  | 7.149  | 7.302  | 7.455  | 7.608  | 7.762  | 7.915  |
| 66                                        | 6.433 | 6.594 | 6.756 | 6.917 | 7.079  | 7.241  | 7.402  | 7.564  | 7.726  | 7.889  | 8.051  | 8.213  | 8.376  |
| 68                                        | 6.795 | 6.966 | 7.136 | 7.307 | 7.478  | 7.649  | 7.820  | 7.991  | 8.162  | 8.333  | 8.505  | 8.676  | 8.848  |
| 70                                        | 7.167 | 7.347 | 7.527 | 7.707 | 7.887  | 8.067  | 8.248  | 8.428  | 8.609  | 8.789  | 8.970  | 9.151  | 9.332  |
| 72                                        | 7.548 | 7.737 | 7.927 | 8.116 | 8.306  | 8.496  | 8.686  | 8.876  | 9.066  | 9.256  | 9.447  | 9.637  | 9.828  |
| 74                                        | 7.938 | 8.137 | 8.336 | 8.535 | 8.735  | 8.934  | 9.134  | 9.334  | 9.534  | 9.734  | 9.934  | 10.135 | 10.335 |
| 76                                        | 8.336 | 8.545 | 8.755 | 8.964 | 9.174  | 9.383  | 9.593  | 9.803  | 10.013 | 10.223 | 10.433 | 10.644 | 10.854 |
| 78                                        | 8.744 | 8.963 | 9.183 | 9.402 | 9.622  | 9.842  | 10.062 | 10.282 | 10.502 | 10.723 | 10.943 | 11.164 | 11.385 |
| 80                                        | 9.160 | 9.390 | 9.620 | 9.850 | 10.080 | 10.311 | 10.541 | 10.772 | 11.003 | 11.233 | 11.464 | 11.695 | 11.927 |



续表 30

| $V \quad H$<br>$D$ | 54     | 55     | 56     | 57     | 58     | 59     | 60     | 61     | 62     | 63 | 64 | 65 |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|----|----|
| 42                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 44                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 46                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 48                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 50                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 52                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 54                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 56                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 58                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 60                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 62                 |        |        |        |        |        |        |        |        |        |    |    |    |
| 64                 | 8.069  |        |        |        |        |        |        |        |        |    |    |    |
| 66                 | 8.538  | 8.701  |        |        |        |        |        |        |        |    |    |    |
| 68                 | 9.019  | 9.191  | 9.363  |        |        |        |        |        |        |    |    |    |
| 70                 | 9.513  | 9.694  | 9.875  | 10.057 |        |        |        |        |        |    |    |    |
| 72                 | 10.018 | 10.209 | 10.400 | 10.591 | 10.782 |        |        |        |        |    |    |    |
| 74                 | 10.536 | 10.736 | 10.937 | 11.138 | 11.339 | 11.540 |        |        |        |    |    |    |
| 76                 | 11.065 | 11.275 | 11.486 | 11.697 | 11.908 | 12.119 | 12.331 |        |        |    |    |    |
| 78                 | 11.606 | 11.827 | 12.048 | 12.269 | 12.490 | 12.712 | 12.933 | 13.155 |        |    |    |    |
| 80                 | 12.158 | 12.390 | 12.622 | 12.853 | 13.085 | 13.317 | 13.549 | 13.781 | 14.014 |    |    |    |

续表30

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 27    | 28    | 29    | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     |
|--------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                         | 6.239 | 6.476 | 6.714 | 6.953  | 7.191  | 7.429  | 7.668  | 7.907  | 8.146  | 8.386  | 8.625  | 8.865  | 9.105  |
| 84                                         | 6.521 | 6.770 | 7.018 | 7.267  | 7.516  | 7.766  | 8.015  | 8.265  | 8.515  | 8.765  | 9.016  | 9.267  | 9.517  |
| 86                                         | 6.809 | 7.069 | 7.328 | 7.588  | 7.849  | 8.109  | 8.370  | 8.630  | 8.892  | 9.153  | 9.414  | 9.676  | 9.938  |
| 88                                         | 7.103 | 7.374 | 7.645 | 7.916  | 8.187  | 8.459  | 8.731  | 9.003  | 9.275  | 9.548  | 9.820  | 10.093 | 10.367 |
| 90                                         | 7.403 | 7.685 | 7.967 | 8.250  | 8.532  | 8.815  | 9.099  | 9.382  | 9.666  | 9.950  | 10.234 | 10.519 | 10.804 |
| 92                                         |       | 8.001 | 8.295 | 8.590  | 8.884  | 9.179  | 9.474  | 9.769  | 10.065 | 10.360 | 10.656 | 10.952 | 11.249 |
| 94                                         |       | 8.324 | 8.630 | 8.936  | 9.242  | 9.549  | 9.856  | 10.163 | 10.470 | 10.778 | 11.086 | 11.394 | 11.702 |
| 96                                         |       |       | 8.970 | 9.288  | 9.607  | 9.925  | 10.244 | 10.564 | 10.883 | 11.203 | 11.523 | 11.843 | 12.164 |
| 98                                         |       |       | 9.316 | 9.647  | 9.978  | 10.309 | 10.640 | 10.972 | 11.303 | 11.636 | 11.968 | 12.301 | 12.634 |
| 100                                        |       |       |       | 10.012 | 10.355 | 10.699 | 11.042 | 11.387 | 11.731 | 12.076 | 12.421 | 12.766 | 13.111 |
| 102                                        |       |       |       | 10.383 | 10.739 | 11.095 | 11.452 | 11.808 | 12.166 | 12.523 | 12.881 | 13.239 | 13.597 |
| 104                                        |       |       |       | 10.760 | 11.129 | 11.498 | 11.868 | 12.237 | 12.608 | 12.978 | 13.349 | 13.720 | 14.091 |
| 106                                        |       |       |       | 11.143 | 11.525 | 11.908 | 12.290 | 12.673 | 13.057 | 13.440 | 13.824 | 14.209 | 14.593 |
| 108                                        |       |       |       | 11.533 | 11.928 | 12.324 | 12.720 | 13.116 | 13.513 | 13.910 | 14.307 | 14.705 | 15.103 |
| 110                                        |       |       |       | 11.928 | 12.337 | 12.746 | 13.156 | 13.566 | 13.976 | 14.387 | 14.798 | 15.209 | 15.621 |
| 112                                        |       |       |       | 12.329 | 12.752 | 13.175 | 13.599 | 14.023 | 14.447 | 14.871 | 15.296 | 15.721 | 16.147 |
| 114                                        |       |       |       | 12.737 | 13.174 | 13.611 | 14.048 | 14.486 | 14.924 | 15.363 | 15.802 | 16.241 | 16.681 |
| 116                                        |       |       |       | 13.151 | 13.602 | 14.053 | 14.505 | 14.957 | 15.409 | 15.862 | 16.315 | 16.768 | 17.222 |
| 118                                        |       |       |       | 13.570 | 14.036 | 14.501 | 14.967 | 15.434 | 15.901 | 16.368 | 16.836 | 17.303 | 17.772 |
| 120                                        |       |       |       | 13.996 | 14.476 | 14.956 | 15.437 | 15.918 | 16.399 | 16.881 | 17.364 | 17.846 | 18.329 |

续表30

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 9.345  | 9.585  | 9.826  | 10.066 | 10.307 | 10.548 | 10.789 | 11.030 | 11.272 | 11.513 | 11.755 | 11.997 | 12.239 |
| 84                                        | 9.768  | 10.019 | 10.271 | 10.522 | 10.774 | 11.026 | 11.278 | 11.530 | 11.782 | 12.034 | 12.287 | 12.540 | 12.793 |
| 86                                        | 10.200 | 10.462 | 10.725 | 10.987 | 11.250 | 11.513 | 11.776 | 12.039 | 12.303 | 12.566 | 12.830 | 13.094 | 13.358 |
| 88                                        | 10.640 | 10.914 | 11.187 | 11.461 | 11.735 | 12.010 | 12.284 | 12.559 | 12.833 | 13.108 | 13.384 | 13.659 | 13.934 |
| 90                                        | 11.089 | 11.374 | 11.659 | 11.944 | 12.230 | 12.516 | 12.802 | 13.088 | 13.375 | 13.661 | 13.948 | 14.235 | 14.522 |
| 92                                        | 11.546 | 11.842 | 12.139 | 12.437 | 12.734 | 13.032 | 13.330 | 13.628 | 13.926 | 14.224 | 14.523 | 14.821 | 15.120 |
| 94                                        | 12.011 | 12.320 | 12.629 | 12.938 | 13.247 | 13.557 | 13.867 | 14.177 | 14.487 | 14.797 | 15.108 | 15.419 | 15.730 |
| 96                                        | 12.485 | 12.806 | 13.127 | 13.448 | 13.770 | 14.092 | 14.414 | 14.736 | 15.058 | 15.381 | 15.704 | 16.027 | 16.350 |
| 98                                        | 12.967 | 13.300 | 13.634 | 13.968 | 14.302 | 14.636 | 14.970 | 15.305 | 15.640 | 15.975 | 16.310 | 16.646 | 16.981 |
| 100                                       | 13.457 | 13.803 | 14.149 | 14.496 | 14.843 | 15.189 | 15.537 | 15.884 | 16.231 | 16.579 | 16.927 | 17.275 | 17.624 |
| 102                                       | 13.956 | 14.315 | 14.674 | 15.033 | 15.393 | 15.752 | 16.112 | 16.472 | 16.833 | 17.194 | 17.554 | 17.915 | 18.277 |
| 104                                       | 14.463 | 14.835 | 15.207 | 15.579 | 15.952 | 16.324 | 16.698 | 17.071 | 17.444 | 17.818 | 18.192 | 18.566 | 18.941 |
| 106                                       | 14.978 | 15.363 | 15.748 | 16.134 | 16.520 | 16.906 | 17.292 | 17.679 | 18.066 | 18.453 | 18.840 | 19.228 | 19.615 |
| 108                                       | 15.501 | 15.900 | 16.299 | 16.698 | 17.097 | 17.497 | 17.897 | 18.297 | 18.697 | 19.098 | 19.498 | 19.899 | 20.301 |
| 110                                       | 16.033 | 16.445 | 16.858 | 17.270 | 17.683 | 18.097 | 18.510 | 18.924 | 19.338 | 19.752 | 20.167 | 20.582 | 20.997 |
| 112                                       | 16.573 | 16.999 | 17.425 | 17.852 | 18.279 | 18.706 | 19.133 | 19.561 | 19.989 | 20.417 | 20.846 | 21.275 | 21.704 |
| 114                                       | 17.120 | 17.561 | 18.001 | 18.442 | 18.883 | 19.324 | 19.766 | 20.208 | 20.650 | 21.092 | 21.535 | 21.978 | 22.421 |
| 116                                       | 17.676 | 18.131 | 18.586 | 19.041 | 19.496 | 19.952 | 20.408 | 20.864 | 21.320 | 21.777 | 22.234 | 22.692 | 23.149 |
| 118                                       | 18.240 | 18.709 | 19.179 | 19.648 | 20.118 | 20.588 | 21.059 | 21.530 | 22.001 | 22.472 | 22.944 | 23.416 | 23.888 |
| 120                                       | 18.813 | 19.296 | 19.780 | 20.265 | 20.749 | 21.234 | 21.719 | 22.205 | 22.691 | 23.177 | 23.663 | 24.150 | 24.637 |

续表 30

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     | 61     | 62     | 63     | 64     | 65     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 12.481 | 12.723 | 12.965 | 13.207 | 13.450 | 13.693 | 13.935 | 14.178 | 14.421 | 14.664 | 14.907 |        |        |
| 84                                        | 13.046 | 13.299 | 13.552 | 13.805 | 14.059 | 14.312 | 14.566 | 14.820 | 15.074 | 15.323 | 15.582 | 15.837 | 16.091 |
| 86                                        | 13.622 | 13.886 | 14.151 | 14.415 | 14.680 | 14.945 | 15.210 | 15.475 | 15.740 | 16.005 | 16.271 | 16.536 | 16.802 |
| 88                                        | 14.210 | 14.485 | 14.761 | 15.037 | 15.313 | 15.590 | 15.866 | 16.143 | 16.419 | 16.696 | 16.973 | 17.250 | 17.527 |
| 90                                        | 14.809 | 15.096 | 15.384 | 15.671 | 15.959 | 16.247 | 16.535 | 16.823 | 17.111 | 17.400 | 17.689 | 17.977 | 18.266 |
| 92                                        | 15.419 | 15.718 | 16.018 | 16.317 | 16.617 | 16.916 | 17.216 | 17.516 | 17.817 | 18.117 | 18.417 | 18.718 | 19.019 |
| 94                                        | 16.041 | 16.352 | 16.663 | 16.975 | 17.287 | 17.598 | 17.910 | 18.223 | 18.535 | 18.847 | 19.160 | 19.473 | 19.785 |
| 96                                        | 16.673 | 16.997 | 17.321 | 17.644 | 17.968 | 18.293 | 18.617 | 18.941 | 19.266 | 19.591 | 19.916 | 20.241 | 20.566 |
| 98                                        | 17.317 | 17.653 | 17.989 | 18.326 | 18.662 | 18.999 | 19.336 | 19.673 | 20.010 | 20.347 | 20.685 | 21.022 | 21.360 |
| 100                                       | 17.972 | 18.321 | 18.670 | 19.019 | 19.368 | 19.717 | 20.067 | 20.417 | 20.767 | 21.117 | 21.467 | 21.817 | 22.168 |
| 102                                       | 18.638 | 19.000 | 19.362 | 19.724 | 20.086 | 20.448 | 20.811 | 21.173 | 21.536 | 21.899 | 22.262 | 22.626 | 22.989 |
| 104                                       | 19.315 | 19.690 | 20.065 | 20.440 | 20.815 | 21.191 | 21.567 | 21.942 | 22.318 | 22.695 | 23.071 | 23.448 | 23.824 |
| 106                                       | 20.003 | 20.391 | 20.780 | 21.168 | 21.557 | 21.946 | 22.335 | 22.724 | 23.113 | 23.503 | 23.893 | 24.283 | 24.673 |
| 108                                       | 20.702 | 21.104 | 21.506 | 21.908 | 22.310 | 22.713 | 23.115 | 23.518 | 23.921 | 24.324 | 24.728 | 25.131 | 25.535 |
| 110                                       | 21.412 | 21.827 | 22.243 | 22.659 | 23.075 | 23.491 | 23.908 | 24.325 | 24.741 | 25.158 | 25.576 | 25.993 | 26.411 |
| 112                                       | 22.133 | 22.562 | 22.992 | 23.422 | 23.852 | 24.282 | 24.713 | 25.143 | 25.574 | 26.005 | 26.437 | 26.868 | 27.300 |
| 114                                       | 22.864 | 23.308 | 23.752 | 24.196 | 24.640 | 25.085 | 25.530 | 25.975 | 26.420 | 26.865 | 27.311 | 27.756 | 28.202 |
| 116                                       | 23.607 | 24.065 | 24.523 | 24.982 | 25.440 | 25.899 | 26.359 | 26.818 | 27.278 | 27.737 | 28.197 | 28.658 | 29.118 |
| 118                                       | 24.360 | 24.833 | 25.306 | 25.779 | 26.252 | 26.726 | 27.200 | 27.674 | 28.148 | 28.623 | 29.097 | 29.572 | 30.047 |
| 120                                       | 25.124 | 25.612 | 26.099 | 26.587 | 27.076 | 27.564 | 28.053 | 28.542 | 29.031 | 29.520 | 30.010 | 30.500 | 30.990 |

续表30

| $\begin{matrix} V & H \\ D \end{matrix}$ | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                      | 14.428 | 14.922 | 15.417 | 15.913 | 16.409 | 16.905 | 17.402 | 17.899 | 18.397 | 18.894 | 19.393 | 19.891 | 20.390 |
| 124                                      | 14.865 | 15.375 | 15.885 | 16.395 | 16.906 | 17.418 | 17.930 | 18.442 | 18.954 | 19.467 | 19.981 | 20.495 | 21.009 |
| 126                                      | 15.309 | 15.834 | 16.359 | 16.885 | 17.411 | 17.938 | 18.465 | 18.992 | 19.520 | 20.048 | 20.577 | 21.106 | 21.635 |
| 128                                      | 15.758 | 16.298 | 16.839 | 17.380 | 17.922 | 18.464 | 19.007 | 19.550 | 20.093 | 20.637 | 21.181 | 21.726 | 22.271 |
| 130                                      | 16.214 | 16.769 | 17.326 | 17.883 | 18.440 | 18.998 | 19.556 | 20.115 | 20.674 | 21.233 | 21.793 | 22.354 | 22.914 |
| 132                                      | 16.675 | 17.246 | 17.819 | 18.391 | 18.965 | 19.538 | 20.112 | 20.687 | 21.262 | 21.837 | 22.413 | 22.990 | 23.566 |
| 134                                      | 17.142 | 17.730 | 18.318 | 18.907 | 19.496 | 20.086 | 20.676 | 21.267 | 21.858 | 22.449 | 23.041 | 23.634 | 24.226 |
| 136                                      | 17.615 | 18.219 | 19.823 | 19.428 | 20.034 | 20.640 | 21.246 | 21.853 | 22.461 | 23.069 | 23.677 | 24.283 | 24.895 |
| 138                                      | 18.094 | 18.714 | 19.335 | 19.957 | 20.579 | 21.201 | 21.824 | 22.448 | 23.072 | 23.696 | 24.321 | 24.946 | 25.572 |
| 140                                      | 18.579 | 19.216 | 19.853 | 20.491 | 21.130 | 21.769 | 22.409 | 23.049 | 23.690 | 24.331 | 24.972 | 25.614 | 26.257 |
| 142                                      | 19.069 | 19.723 | 20.377 | 21.032 | 21.688 | 22.344 | 23.001 | 23.658 | 24.315 | 24.973 | 25.632 | 26.291 | 26.950 |
| 144                                      | 19.566 | 20.237 | 20.908 | 21.580 | 22.253 | 22.928 | 23.599 | 24.274 | 24.948 | 25.623 | 26.299 | 26.975 | 27.652 |
| 146                                      | 20.068 | 20.756 | 21.445 | 22.134 | 22.824 | 23.514 | 24.205 | 24.897 | 25.589 | 26.281 | 26.974 | 27.668 | 28.362 |
| 148                                      | 20.576 | 21.281 | 21.988 | 22.694 | 23.402 | 24.109 | 24.818 | 25.527 | 26.236 | 26.946 | 27.657 | 28.368 | 29.080 |
| 150                                      | 21.090 | 21.813 | 22.537 | 23.261 | 23.986 | 24.711 | 25.438 | 26.164 | 26.892 | 27.619 | 28.348 | 29.077 | 29.806 |
| 152                                      | 21.609 | 22.350 | 23.092 | 23.834 | 24.577 | 25.320 | 26.064 | 26.809 | 27.554 | 28.300 | 29.046 | 29.793 | 30.540 |
| 154                                      | 22.135 | 22.894 | 23.653 | 24.413 | 25.174 | 25.936 | 26.698 | 27.461 | 28.224 | 28.988 | 29.752 | 30.517 | 31.283 |
| 156                                      | 22.666 | 23.443 | 24.221 | 24.999 | 25.778 | 26.558 | 27.338 | 28.120 | 28.901 | 29.683 | 30.466 | 31.249 | 32.033 |
| 158                                      | 23.203 | 23.998 | 24.794 | 25.591 | 26.389 | 27.187 | 27.986 | 28.785 | 29.586 | 30.386 | 31.188 | 31.989 | 32.792 |
| 160                                      | 23.745 | 24.559 | 25.374 | 26.190 | 27.006 | 27.823 | 28.640 | 29.459 | 30.277 | 31.097 | 31.917 | 32.737 | 33.559 |

续表30

| $\frac{V}{D}$ \ $H$ | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                 | 20.889 | 21.389 | 21.889 | 22.389 | 22.890 | 23.391 | 23.892 | 24.393 | 24.815 | 25.397 | 25.899 | 26.402 | 26.904 |
| 124                 | 21.523 | 22.038 | 22.553 | 23.068 | 23.584 | 24.100 | 24.616 | 25.133 | 25.650 | 26.167 | 26.685 | 27.202 | 27.720 |
| 126                 | 22.165 | 22.695 | 23.226 | 23.757 | 24.288 | 24.819 | 25.351 | 25.883 | 26.415 | 26.948 | 27.481 | 28.014 | 28.547 |
| 128                 | 22.816 | 23.362 | 23.908 | 24.454 | 25.001 | 25.548 | 26.095 | 26.643 | 27.191 | 27.739 | 28.288 | 28.836 | 29.386 |
| 130                 | 23.475 | 24.037 | 24.599 | 25.161 | 25.723 | 26.286 | 26.849 | 27.413 | 27.976 | 28.541 | 29.105 | 29.670 | 30.235 |
| 132                 | 24.143 | 24.721 | 25.298 | 25.877 | 26.455 | 27.034 | 27.613 | 28.193 | 28.772 | 29.353 | 29.933 | 30.514 | 31.095 |
| 134                 | 24.820 | 25.413 | 26.007 | 26.602 | 27.196 | 27.791 | 28.387 | 28.982 | 29.579 | 30.175 | 30.772 | 31.369 | 31.966 |
| 136                 | 25.505 | 26.115 | 26.725 | 27.336 | 27.947 | 28.558 | 29.170 | 29.782 | 30.395 | 31.008 | 31.621 | 32.234 | 32.848 |
| 138                 | 26.198 | 26.825 | 27.452 | 28.079 | 28.707 | 29.335 | 29.963 | 30.592 | 31.221 | 31.851 | 32.481 | 33.111 | 33.741 |
| 140                 | 26.900 | 27.543 | 28.187 | 28.831 | 29.476 | 30.121 | 30.766 | 31.412 | 32.058 | 32.704 | 33.351 | 33.998 | 34.645 |
| 142                 | 27.610 | 28.271 | 28.931 | 29.592 | 30.254 | 30.916 | 31.578 | 32.241 | 32.904 | 33.568 | 34.231 | 34.896 | 35.560 |
| 144                 | 28.329 | 29.007 | 29.684 | 30.363 | 31.042 | 31.721 | 32.400 | 33.080 | 33.761 | 34.442 | 35.123 | 35.804 | 36.486 |
| 146                 | 29.056 | 29.751 | 30.446 | 31.142 | 31.838 | 32.535 | 33.232 | 33.930 | 34.627 | 35.326 | 36.024 | 36.723 | 37.422 |
| 148                 | 29.792 | 30.504 | 31.217 | 31.931 | 32.644 | 33.359 | 34.073 | 34.788 | 35.504 | 36.220 | 36.936 | 37.653 | 38.370 |
| 150                 | 30.536 | 31.266 | 31.997 | 32.728 | 33.460 | 34.192 | 34.924 | 35.657 | 36.391 | 37.124 | 37.858 | 38.593 | 39.328 |
| 152                 | 31.288 | 32.036 | 32.785 | 33.534 | 34.284 | 35.034 | 35.785 | 36.536 | 37.287 | 38.039 | 38.791 | 39.544 | 40.297 |
| 154                 | 32.049 | 32.815 | 33.582 | 34.349 | 35.117 | 35.886 | 36.655 | 37.424 | 38.194 | 38.964 | 39.734 | 40.505 | 41.277 |
| 156                 | 32.818 | 33.602 | 34.388 | 35.174 | 35.960 | 36.747 | 37.534 | 38.322 | 39.110 | 39.899 | 40.688 | 41.477 | 42.267 |
| 158                 | 33.595 | 34.398 | 35.202 | 36.007 | 36.812 | 37.617 | 38.423 | 39.229 | 40.036 | 40.843 | 41.651 | 42.459 | 43.268 |
| 160                 | 34.380 | 35.203 | 36.025 | 36.849 | 37.672 | 38.497 | 39.321 | 40.147 | 40.972 | 41.799 | 42.625 | 43.452 | 44.280 |

续表30

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 56     | 57     | 58     | 59     | 60     | 61     | 62     | 63     | 64     | 65     |  |  |  |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| 122                                       | 27.407 | 27.911 | 28.414 | 28.918 | 29.422 | 29.926 | 30.431 | 30.935 | 31.440 | 31.945 |  |  |  |
| 124                                       | 28.239 | 28.757 | 29.276 | 29.795 | 30.314 | 30.834 | 31.354 | 31.874 | 32.394 | 32.914 |  |  |  |
| 126                                       | 29.081 | 29.615 | 30.149 | 30.684 | 31.219 | 31.754 | 32.289 | 32.825 | 33.360 | 33.896 |  |  |  |
| 128                                       | 29.935 | 30.485 | 31.035 | 31.585 | 32.135 | 32.686 | 33.237 | 33.788 | 34.340 | 34.892 |  |  |  |
| 130                                       | 30.800 | 31.366 | 31.931 | 32.498 | 33.064 | 33.631 | 34.198 | 34.765 | 35.332 | 35.900 |  |  |  |
| 132                                       | 31.676 | 32.258 | 32.840 | 33.422 | 34.005 | 34.587 | 35.170 | 35.754 | 36.337 | 36.921 |  |  |  |
| 134                                       | 32.564 | 33.162 | 33.760 | 34.359 | 34.957 | 35.556 | 36.156 | 36.756 | 37.355 | 37.956 |  |  |  |
| 136                                       | 33.462 | 34.077 | 34.692 | 35.307 | 35.922 | 36.538 | 37.154 | 37.770 | 38.386 | 39.003 |  |  |  |
| 138                                       | 34.372 | 35.003 | 35.635 | 36.267 | 36.899 | 37.531 | 38.164 | 38.797 | 39.430 | 40.064 |  |  |  |
| 140                                       | 35.293 | 35.941 | 36.590 | 37.238 | 37.887 | 38.537 | 39.186 | 39.836 | 40.486 | 41.137 |  |  |  |
| 142                                       | 36.225 | 36.890 | 37.556 | 38.222 | 38.888 | 39.554 | 40.221 | 40.888 | 41.555 | 42.223 |  |  |  |
| 144                                       | 37.168 | 37.851 | 38.533 | 39.217 | 39.900 | 40.584 | 41.268 | 41.953 | 42.637 | 43.322 |  |  |  |
| 146                                       | 38.122 | 38.822 | 39.523 | 40.223 | 40.924 | 41.626 | 42.327 | 43.029 | 43.732 | 44.434 |  |  |  |
| 148                                       | 39.087 | 39.805 | 40.523 | 41.242 | 41.960 | 42.679 | 43.399 | 44.119 | 44.839 | 45.559 |  |  |  |
| 150                                       | 40.063 | 40.799 | 41.535 | 42.271 | 43.008 | 43.745 | 44.483 | 45.220 | 45.959 | 46.697 |  |  |  |
| 152                                       | 41.050 | 41.804 | 42.558 | 43.313 | 44.068 | 44.823 | 45.579 | 46.334 | 47.091 | 47.847 |  |  |  |
| 154                                       | 42.048 | 42.820 | 43.593 | 44.366 | 45.139 | 45.913 | 46.687 | 47.461 | 48.236 | 49.011 |  |  |  |
| 156                                       | 43.057 | 43.848 | 44.639 | 45.430 | 46.222 | 47.014 | 47.807 | 48.600 | 49.393 | 50.186 |  |  |  |
| 158                                       | 44.077 | 44.886 | 45.696 | 46.506 | 47.317 | 48.128 | 48.939 | 49.751 | 50.563 | 51.375 |  |  |  |
| 160                                       | 45.108 | 45.936 | 46.765 | 47.594 | 48.423 | 49.253 | 50.083 | 50.914 | 51.745 | 52.576 |  |  |  |

## 三十二、西南地区冷杉二元立木材积表(一)

$$V = 0.000063219426 D^{1.9006108} H^{0.96265927}$$

表31

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                         | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |       |       |       |       |
| 6                                         | 0.004 | 0.005 | 0.007 | 0.009 | 0.011 | 0.012 | 0.014 | 0.016 | 0.017 | 0.019 | 0.021 | 0.022 |       |
| 8                                         | 0.006 | 0.009 | 0.012 | 0.015 | 0.018 | 0.021 | 0.024 | 0.027 | 0.030 | 0.033 | 0.036 | 0.039 | 0.042 |
| 10                                        | 0.010 | 0.014 | 0.019 | 0.024 | 0.028 | 0.033 | 0.037 | 0.042 | 0.046 | 0.051 | 0.055 | 0.059 | 0.064 |
| 12                                        |       | 0.020 | 0.027 | 0.033 | 0.040 | 0.046 | 0.053 | 0.059 | 0.065 | 0.072 | 0.078 | 0.084 | 0.090 |
| 14                                        |       | 0.027 | 0.036 | 0.045 | 0.053 | 0.062 | 0.071 | 0.079 | 0.087 | 0.096 | 0.104 | 0.113 | 0.121 |
| 16                                        |       |       | 0.047 | 0.058 | 0.069 | 0.080 | 0.091 | 0.102 | 0.113 | 0.124 | 0.134 | 0.145 | 0.156 |
| 18                                        |       |       | 0.058 | 0.072 | 0.086 | 0.100 | 0.114 | 0.127 | 0.141 | 0.155 | 0.168 | 0.182 | 0.195 |
| 20                                        |       |       |       | 0.088 | 0.105 | 0.122 | 0.139 | 0.156 | 0.172 | 0.189 | 0.205 | 0.222 | 0.238 |
| 22                                        |       |       |       | 0.106 | 0.126 | 0.146 | 0.167 | 0.187 | 0.207 | 0.226 | 0.246 | 0.266 | 0.285 |
| 24                                        |       |       |       |       | 0.149 | 0.173 | 0.197 | 0.220 | 0.244 | 0.267 | 0.290 | 0.314 | 0.337 |
| 26                                        |       |       |       |       |       | 0.201 | 0.229 | 0.256 | 0.284 | 0.311 | 0.338 | 0.365 | 0.392 |
| 28                                        |       |       |       |       |       |       | 0.263 | 0.295 | 0.327 | 0.358 | 0.389 | 0.420 | 0.452 |
| 30                                        |       |       |       |       |       |       | 0.300 | 0.336 | 0.372 | 0.408 | 0.444 | 0.479 | 0.515 |
| 32                                        |       |       |       |       |       |       |       | 0.380 | 0.421 | 0.461 | 0.502 | 0.542 | 0.582 |
| 34                                        |       |       |       |       |       |       |       | 0.427 | 0.472 | 0.518 | 0.563 | 0.608 | 0.653 |
| 36                                        |       |       |       |       |       |       |       |       | 0.527 | 0.577 | 0.628 | 0.678 | 0.728 |
| 38                                        |       |       |       |       |       |       |       |       |       | 0.640 | 0.695 | 0.751 | 0.807 |
| 40                                        |       |       |       |       |       |       |       |       |       |       | 0.767 | 0.828 | 0.889 |



续表 31

| $V \backslash H$<br>$D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       | 0.045 |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      | 0.068 | 0.073 | 0.077 |       |       |       |       |       |       |       |       |       |       |
| 12                      | 0.096 | 0.103 | 0.109 | 0.115 | 0.121 |       |       |       |       |       |       |       |       |
| 14                      | 0.129 | 0.138 | 0.146 | 0.154 | 0.162 | 0.170 | 0.179 |       |       |       |       |       |       |
| 16                      | 0.167 | 0.177 | 0.188 | 0.199 | 0.209 | 0.220 | 0.230 | 0.241 | 0.251 |       |       |       |       |
| 18                      | 0.208 | 0.222 | 0.235 | 0.248 | 0.262 | 0.275 | 0.288 | 0.301 | 0.314 | 0.328 | 0.341 |       |       |
| 20                      | 0.255 | 0.271 | 0.287 | 0.303 | 0.320 | 0.336 | 0.352 | 0.368 | 0.384 | 0.400 | 0.416 | 0.432 | 0.448 |
| 22                      | 0.305 | 0.325 | 0.344 | 0.364 | 0.383 | 0.402 | 0.422 | 0.441 | 0.460 | 0.480 | 0.499 | 0.518 | 0.537 |
| 24                      | 0.360 | 0.383 | 0.406 | 0.429 | 0.452 | 0.475 | 0.498 | 0.520 | 0.543 | 0.566 | 0.589 | 0.611 | 0.634 |
| 26                      | 0.419 | 0.446 | 0.473 | 0.500 | 0.526 | 0.553 | 0.579 | 0.606 | 0.632 | 0.659 | 0.685 | 0.712 | 0.738 |
| 28                      | 0.483 | 0.513 | 0.544 | 0.575 | 0.606 | 0.636 | 0.667 | 0.698 | 0.728 | 0.759 | 0.789 | 0.819 | 0.850 |
| 30                      | 0.550 | 0.585 | 0.621 | 0.656 | 0.691 | 0.726 | 0.761 | 0.795 | 0.830 | 0.865 | 0.900 | 0.934 | 0.969 |
| 32                      | 0.622 | 0.662 | 0.702 | 0.741 | 0.781 | 0.820 | 0.860 | 0.899 | 0.939 | 0.978 | 1.017 | 1.056 | 1.095 |
| 34                      | 0.698 | 0.743 | 0.787 | 0.832 | 0.876 | 0.921 | 0.965 | 1.009 | 1.053 | 1.097 | 1.141 | 1.185 | 1.229 |
| 36                      | 0.778 | 0.828 | 0.878 | 0.927 | 0.977 | 1.026 | 1.076 | 1.125 | 1.174 | 1.223 | 1.272 | 1.321 | 1.370 |
| 38                      | 0.862 | 0.917 | 0.973 | 1.028 | 1.082 | 1.137 | 1.192 | 1.247 | 1.301 | 1.355 | 1.410 | 1.464 | 1.518 |
| 40                      | 0.950 | 1.011 | 1.072 | 1.133 | 1.193 | 1.254 | 1.314 | 1.374 | 1.434 | 1.494 | 1.554 | 1.614 | 1.674 |

续表 31

| <div> <div><math>V</math></div> <div><math>H</math></div> <div><math>D</math></div> </div> | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40 |
|--------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|                                                                                            |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 2                                                                                          |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 4                                                                                          |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 6                                                                                          |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 8                                                                                          |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 10                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 12                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 14                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 16                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 18                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 20                                                                                         |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 22                                                                                         | 0.556 |       |       |       |       |       |       |       |       |       |       |       |    |
| 24                                                                                         | 0.656 | 0.679 | 0.702 |       |       |       |       |       |       |       |       |       |    |
| 26                                                                                         | 0.764 | 0.791 | 0.817 | 0.843 |       |       |       |       |       |       |       |       |    |
| 28                                                                                         | 0.880 | 0.910 | 0.940 | 0.971 | 1.001 | 1.031 |       |       |       |       |       |       |    |
| 30                                                                                         | 1.003 | 1.038 | 1.072 | 1.107 | 1.141 | 1.175 | 1.209 |       |       |       |       |       |    |
| 32                                                                                         | 1.134 | 1.173 | 1.212 | 1.251 | 1.290 | 1.329 | 1.367 | 1.406 |       |       |       |       |    |
| 34                                                                                         | 1.273 | 1.316 | 1.360 | 1.404 | 1.447 | 1.491 | 1.534 | 1.578 | 1.621 |       |       |       |    |
| 36                                                                                         | 1.419 | 1.467 | 1.516 | 1.565 | 1.613 | 1.662 | 1.710 | 1.759 | 1.807 | 1.855 |       |       |    |
| 38                                                                                         | 1.572 | 1.626 | 1.680 | 1.734 | 1.788 | 1.842 | 1.895 | 1.949 | 2.003 | 2.056 | 2.110 |       |    |
| 40                                                                                         | 1.733 | 1.793 | 1.852 | 1.912 | 1.971 | 2.030 | 2.089 | 2.149 | 2.208 | 2.267 | 2.326 | 2.384 |    |

续表 31

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 1.043 | 1.110 | 1.176 | 1.243 | 1.309 | 1.376 | 1.442 | 1.508 | 1.574 | 1.639 | 1.705 | 1.771 | 1.836 |
| 44                                       | 1.139 | 1.212 | 1.285 | 1.358 | 1.430 | 1.503 | 1.575 | 1.647 | 1.719 | 1.791 | 1.863 | 1.934 | 2.006 |
| 46                                       | 1.240 | 1.319 | 1.398 | 1.477 | 1.556 | 1.635 | 1.714 | 1.792 | 1.871 | 1.949 | 2.027 | 2.105 | 2.183 |
| 48                                       | 1.344 | 1.430 | 1.516 | 1.602 | 1.687 | 1.773 | 1.858 | 1.943 | 2.028 | 2.113 | 2.198 | 2.282 | 2.367 |
| 50                                       |       | 1.546 | 1.638 | 1.731 | 1.824 | 1.916 | 2.008 | 2.100 | 2.192 | 2.284 | 2.375 | 2.466 | 2.558 |
| 52                                       |       | 1.665 | 1.765 | 1.865 | 1.965 | 2.064 | 2.163 | 2.263 | 2.361 | 2.460 | 2.559 | 2.657 | 2.756 |
| 54                                       |       |       | 1.897 | 2.004 | 2.111 | 2.218 | 2.324 | 2.431 | 2.537 | 2.643 | 2.749 | 2.855 | 2.961 |
| 56                                       |       |       | 2.032 | 2.147 | 2.262 | 2.376 | 2.491 | 2.605 | 2.719 | 2.832 | 2.946 | 3.059 | 3.172 |
| 58                                       |       |       |       | 2.295 | 2.418 | 2.540 | 2.662 | 2.784 | 2.906 | 3.028 | 3.149 | 3.270 | 3.391 |
| 60                                       |       |       |       | 2.448 | 2.579 | 2.709 | 2.840 | 2.970 | 3.100 | 3.229 | 3.359 | 3.488 | 3.617 |
| 62                                       |       |       |       |       | 2.745 | 2.884 | 3.022 | 3.161 | 3.299 | 3.437 | 3.575 | 3.712 | 3.850 |
| 64                                       |       |       |       |       | 2.915 | 3.063 | 3.210 | 3.357 | 3.504 | 3.651 | 3.797 | 3.943 | 4.089 |
| 66                                       |       |       |       |       | 3.091 | 3.247 | 3.404 | 3.560 | 3.715 | 3.871 | 4.026 | 4.181 | 4.335 |
| 68                                       |       |       |       |       |       | 3.437 | 3.602 | 3.767 | 3.932 | 4.096 | 4.261 | 4.425 | 4.588 |
| 70                                       |       |       |       |       |       | 3.632 | 3.806 | 3.981 | 4.155 | 4.328 | 4.502 | 4.675 | 4.848 |
| 72                                       |       |       |       |       |       | 3.831 | 4.016 | 4.200 | 4.383 | 4.567 | 4.750 | 4.932 | 5.115 |
| 74                                       |       |       |       |       |       |       | 4.230 | 4.424 | 4.618 | 4.811 | 5.003 | 5.196 | 5.388 |
| 76                                       |       |       |       |       |       |       | 4.450 | 4.654 | 4.858 | 5.061 | 5.264 | 5.466 | 5.668 |
| 78                                       |       |       |       |       |       |       | 4.676 | 4.890 | 5.103 | 5.317 | 5.530 | 5.743 | 5.955 |
| 80                                       |       |       |       |       |       |       | 4.906 | 5.131 | 5.355 | 5.579 | 5.803 | 6.026 | 6.249 |

续表 31

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                         | 1.902 | 1.967 | 2.032 | 2.097 | 2.163 | 2.228 | 2.292 | 2.357 | 2.422 | 2.487 | 2.552 | 2.616 | 2.681 |
| 44                                         | 2.077 | 2.149 | 2.220 | 2.291 | 2.362 | 2.433 | 2.504 | 2.575 | 2.646 | 2.717 | 2.787 | 2.858 | 2.929 |
| 46                                         | 2.261 | 2.338 | 2.416 | 2.493 | 2.571 | 2.648 | 2.725 | 2.802 | 2.879 | 2.956 | 3.033 | 3.110 | 3.187 |
| 48                                         | 2.451 | 2.535 | 2.619 | 2.703 | 2.787 | 2.871 | 2.955 | 3.038 | 3.122 | 3.205 | 3.289 | 3.372 | 3.455 |
| 50                                         | 2.649 | 2.740 | 2.831 | 2.921 | 3.012 | 3.103 | 3.193 | 3.284 | 3.374 | 3.464 | 3.554 | 3.644 | 3.734 |
| 52                                         | 2.854 | 2.952 | 3.050 | 3.148 | 3.245 | 3.343 | 3.440 | 3.538 | 3.635 | 3.732 | 3.829 | 3.926 | 4.023 |
| 54                                         | 3.066 | 3.171 | 3.277 | 3.382 | 3.487 | 3.591 | 3.696 | 3.801 | 3.905 | 4.010 | 4.114 | 4.218 | 4.322 |
| 56                                         | 3.285 | 3.398 | 3.511 | 3.624 | 3.736 | 3.848 | 3.961 | 4.073 | 4.185 | 4.297 | 4.408 | 4.520 | 4.631 |
| 58                                         | 3.512 | 3.633 | 3.753 | 3.874 | 3.994 | 4.114 | 4.234 | 4.354 | 4.473 | 4.593 | 4.712 | 4.832 | 4.951 |
| 60                                         | 3.746 | 3.874 | 4.003 | 4.131 | 4.260 | 4.388 | 4.516 | 4.643 | 4.771 | 4.899 | 5.026 | 5.153 | 5.280 |
| 62                                         | 3.987 | 4.124 | 4.260 | 4.397 | 4.534 | 4.670 | 4.806 | 4.942 | 5.078 | 5.214 | 5.349 | 5.485 | 5.620 |
| 64                                         | 4.235 | 4.380 | 4.525 | 4.671 | 4.816 | 4.960 | 5.105 | 5.249 | 5.394 | 5.538 | 5.682 | 5.826 | 5.969 |
| 66                                         | 4.490 | 4.644 | 4.798 | 4.952 | 5.106 | 5.259 | 5.412 | 5.566 | 5.719 | 5.871 | 6.024 | 6.177 | 6.329 |
| 68                                         | 4.752 | 4.915 | 5.078 | 5.241 | 5.404 | 5.566 | 5.728 | 5.890 | 6.052 | 6.214 | 6.376 | 6.537 | 6.698 |
| 70                                         | 5.021 | 5.193 | 5.366 | 5.538 | 5.710 | 5.881 | 6.053 | 6.224 | 6.395 | 6.566 | 6.737 | 6.907 | 7.078 |
| 72                                         | 5.297 | 5.479 | 5.661 | 5.842 | 6.024 | 6.205 | 6.386 | 6.566 | 6.747 | 6.927 | 7.107 | 7.287 | 7.467 |
| 74                                         | 5.580 | 5.772 | 5.963 | 6.155 | 6.346 | 6.536 | 6.727 | 6.917 | 7.108 | 7.298 | 7.487 | 7.677 | 7.866 |
| 76                                         | 5.870 | 6.072 | 6.273 | 6.475 | 6.676 | 6.876 | 7.077 | 7.277 | 7.477 | 7.677 | 7.877 | 8.076 | 8.275 |
| 78                                         | 6.167 | 6.379 | 6.591 | 6.802 | 7.013 | 7.224 | 7.435 | 7.645 | 7.856 | 8.065 | 8.275 | 8.485 | 8.694 |
| 80                                         | 6.471 | 6.694 | 6.916 | 7.138 | 7.359 | 7.580 | 7.801 | 8.022 | 8.243 | 8.463 | 8.683 | 8.903 | 9.123 |

续表 31

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 41    | 42    | 43    | 44    | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     |
|-------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 44                                        | 2.999 |       |       |       |        |        |        |        |        |        |        |        |        |
| 46                                        | 3.263 | 3.340 |       |       |        |        |        |        |        |        |        |        |        |
| 48                                        | 3.538 | 3.621 | 3.704 |       |        |        |        |        |        |        |        |        |        |
| 50                                        | 3.824 | 3.914 | 4.003 | 4.093 |        |        |        |        |        |        |        |        |        |
| 52                                        | 4.120 | 4.216 | 4.313 | 4.410 | 4.506  |        |        |        |        |        |        |        |        |
| 54                                        | 4.426 | 4.530 | 4.634 | 4.737 | 4.841  | 4.945  |        |        |        |        |        |        |        |
| 56                                        | 4.743 | 4.854 | 4.965 | 5.076 | 5.187  | 5.298  | 5.409  |        |        |        |        |        |        |
| 58                                        | 5.070 | 5.189 | 5.308 | 5.427 | 5.545  | 5.664  | 5.782  | 5.901  |        |        |        |        |        |
| 60                                        | 5.407 | 5.534 | 5.661 | 5.788 | 5.914  | 6.041  | 6.167  | 6.293  | 6.420  |        |        |        |        |
| 62                                        | 5.755 | 5.890 | 6.025 | 6.160 | 6.295  | 6.429  | 6.564  | 6.698  | 6.832  | 6.967  |        |        |        |
| 64                                        | 6.113 | 6.257 | 6.400 | 6.543 | 6.686  | 6.829  | 6.972  | 7.115  | 7.257  | 7.400  | 7.542  |        |        |
| 66                                        | 6.481 | 6.633 | 6.785 | 6.937 | 7.089  | 7.240  | 7.392  | 7.543  | 7.694  | 7.846  | 7.997  | 8.147  |        |
| 68                                        | 6.860 | 7.021 | 7.181 | 7.342 | 7.503  | 7.663  | 7.823  | 7.984  | 8.144  | 8.304  | 8.463  | 8.623  | 8.783  |
| 70                                        | 7.248 | 7.418 | 7.588 | 7.758 | 7.928  | 8.097  | 8.267  | 8.436  | 8.605  | 8.774  | 8.943  | 9.112  | 9.280  |
| 72                                        | 7.647 | 7.826 | 8.006 | 8.185 | 8.364  | 8.543  | 8.721  | 8.900  | 9.078  | 9.256  | 9.435  | 9.613  | 9.791  |
| 74                                        | 8.056 | 8.245 | 8.433 | 8.622 | 8.811  | 8.999  | 9.187  | 9.376  | 9.563  | 9.751  | 9.939  | 10.126 | 10.314 |
| 76                                        | 8.474 | 8.673 | 8.872 | 9.070 | 9.269  | 9.467  | 9.665  | 9.863  | 10.061 | 10.258 | 10.456 | 10.653 | 10.850 |
| 78                                        | 8.903 | 9.112 | 9.321 | 9.530 | 9.738  | 9.946  | 10.154 | 10.362 | 10.570 | 10.777 | 10.985 | 11.192 | 11.399 |
| 80                                        | 9.342 | 9.561 | 9.780 | 9.999 | 10.218 | 10.436 | 10.655 | 10.873 | 11.091 | 11.309 | 11.526 | 11.744 | 11.961 |

续表31

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 21    | 22    | 23    | 24    | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     |
|-------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 5.142 | 5.377 | 5.612 | 5.847 | 6.081  | 6.315  | 6.549  | 6.782  | 7.015  | 7.248  | 7.481  | 7.713  |
| 84                                        | 5.383 | 5.629 | 5.875 | 6.121 | 6.366  | 6.611  | 6.856  | 7.100  | 7.344  | 7.588  | 7.831  | 8.074  |
| 86                                        | 5.629 | 5.887 | 6.144 | 6.401 | 6.658  | 6.914  | 7.170  | 7.425  | 7.680  | 7.935  | 8.189  | 8.444  |
| 88                                        |       |       | 6.419 | 6.687 | 6.955  | 7.223  | 7.490  | 7.757  | 8.023  | 8.289  | 8.555  | 8.821  |
| 90                                        |       |       | 6.699 | 6.979 | 7.258  | 7.538  | 7.817  | 8.095  | 8.373  | 8.651  | 8.928  | 9.206  |
| 92                                        |       |       | 6.984 | 7.276 | 7.568  | 7.859  | 8.150  | 8.440  | 8.730  | 9.020  | 9.309  | 9.598  |
| 94                                        |       |       |       | 7.580 | 7.884  | 8.187  | 8.490  | 8.793  | 9.095  | 9.396  | 9.698  | 9.999  |
| 96                                        |       |       |       | 7.890 | 8.206  | 8.521  | 8.837  | 9.152  | 9.466  | 9.780  | 10.094 | 10.407 |
| 98                                        |       |       |       | 8.205 | 8.534  | 8.862  | 9.190  | 9.517  | 9.844  | 10.171 | 10.497 | 10.823 |
| 100                                       |       |       |       | 8.526 | 8.868  | 9.209  | 9.550  | 9.890  | 10.230 | 10.569 | 10.908 | 11.247 |
| 102                                       |       |       |       | 8.853 | 9.208  | 9.562  | 9.916  | 10.269 | 10.622 | 10.974 | 11.326 | 11.678 |
| 104                                       |       |       |       | 9.186 | 9.554  | 9.922  | 10.289 | 10.655 | 11.021 | 11.387 | 11.752 | 12.117 |
| 106                                       |       |       |       |       | 9.906  | 10.287 | 10.668 | 11.048 | 11.428 | 11.807 | 12.185 | 12.564 |
| 108                                       |       |       |       |       | 10.265 | 10.659 | 11.054 | 11.448 | 11.841 | 12.234 | 12.626 | 13.018 |
| 110                                       |       |       |       |       | 10.629 | 11.038 | 11.446 | 11.854 | 12.261 | 12.668 | 13.074 | 13.480 |

续表31

| $\begin{matrix} V & H \\ D \end{matrix}$ | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                       | 7.945  | 8.176  | 8.408  | 8.639  | 8.870  | 9.100  | 9.331  | 9.561  | 9.791  | 10.021 | 10.250 | 10.480 |
| 84                                       | 8.317  | 8.560  | 8.802  | 9.044  | 9.285  | 9.527  | 9.768  | 10.009 | 10.250 | 10.490 | 10.731 | 10.971 |
| 86                                       | 8.697  | 8.951  | 9.204  | 9.457  | 9.710  | 9.963  | 10.215 | 10.467 | 10.719 | 10.970 | 11.222 | 11.473 |
| 88                                       | 9.086  | 9.351  | 9.615  | 9.880  | 10.144 | 10.408 | 10.671 | 10.934 | 11.197 | 11.460 | 11.723 | 11.985 |
| 90                                       | 9.482  | 9.759  | 10.035 | 10.311 | 10.586 | 10.862 | 11.137 | 11.412 | 11.686 | 11.960 | 12.234 | 12.508 |
| 92                                       | 9.887  | 10.175 | 10.463 | 10.751 | 11.038 | 11.325 | 11.612 | 11.898 | 12.185 | 12.470 | 12.756 | 13.042 |
| 94                                       | 10.299 | 10.600 | 10.900 | 11.199 | 11.499 | 11.798 | 12.096 | 12.395 | 12.693 | 12.991 | 13.288 | 13.586 |
| 96                                       | 10.720 | 11.032 | 11.345 | 11.656 | 11.968 | 12.279 | 12.590 | 12.901 | 13.211 | 13.521 | 13.831 | 14.140 |
| 98                                       | 11.148 | 11.473 | 11.798 | 12.122 | 12.446 | 12.770 | 13.093 | 13.416 | 13.739 | 14.062 | 14.384 | 14.706 |
| 100                                      | 11.585 | 11.922 | 12.260 | 12.597 | 12.934 | 13.270 | 13.606 | 13.942 | 14.277 | 14.612 | 14.947 | 15.281 |
| 102                                      | 12.029 | 12.380 | 12.730 | 13.080 | 13.430 | 13.779 | 14.128 | 14.476 | 14.824 | 15.172 | 15.520 | 15.867 |
| 104                                      | 12.481 | 12.845 | 13.209 | 13.572 | 13.934 | 14.297 | 14.659 | 15.020 | 15.382 | 15.743 | 16.103 | 16.464 |
| 106                                      | 12.941 | 13.319 | 13.696 | 14.072 | 14.448 | 14.824 | 15.199 | 15.574 | 15.949 | 16.323 | 16.697 | 17.071 |
| 108                                      | 13.409 | 13.800 | 14.191 | 14.581 | 14.971 | 15.360 | 15.749 | 16.137 | 16.526 | 16.914 | 17.301 | 17.688 |
| 110                                      | 13.885 | 14.290 | 14.695 | 15.098 | 15.502 | 15.905 | 16.308 | 16.710 | 17.112 | 17.514 | 17.915 | 18.316 |

续表31

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 10.709 | 10.938 | 11.167 | 11.395 | 11.624 | 11.852 | 12.080 | 12.308 | 12.536 | 12.764 | 12.991 | 13.218 |
| 84                                        | 11.211 | 11.451 | 11.690 | 11.929 | 12.169 | 12.408 | 12.646 | 12.885 | 13.123 | 13.362 | 13.600 | 13.838 |
| 86                                        | 11.724 | 11.974 | 12.225 | 12.475 | 12.725 | 12.975 | 13.225 | 13.474 | 13.724 | 13.973 | 14.222 | 14.471 |
| 88                                        | 12.247 | 12.509 | 12.771 | 13.032 | 13.293 | 13.555 | 13.815 | 14.076 | 14.337 | 14.597 | 14.857 | 15.117 |
| 90                                        | 12.782 | 13.055 | 13.328 | 13.601 | 13.874 | 14.146 | 14.418 | 14.690 | 14.962 | 15.234 | 15.505 | 15.777 |
| 92                                        | 13.327 | 13.612 | 13.897 | 14.181 | 14.465 | 14.749 | 15.033 | 15.317 | 15.600 | 15.884 | 16.167 | 16.450 |
| 94                                        | 13.883 | 14.180 | 14.476 | 14.773 | 15.069 | 15.365 | 15.661 | 15.956 | 16.251 | 16.546 | 16.841 | 17.136 |
| 96                                        | 14.450 | 14.759 | 15.067 | 15.376 | 15.684 | 15.992 | 16.300 | 16.607 | 16.915 | 17.222 | 17.529 | 17.836 |
| 98                                        | 15.027 | 15.348 | 15.670 | 15.990 | 16.311 | 16.631 | 16.951 | 17.271 | 17.591 | 17.910 | 18.229 | 18.548 |
| 100                                       | 15.615 | 15.949 | 16.283 | 16.616 | 16.949 | 17.282 | 17.615 | 17.947 | 18.279 | 18.611 | 18.943 | 19.274 |
| 102                                       | 16.214 | 16.561 | 16.907 | 17.254 | 17.600 | 17.945 | 18.291 | 18.636 | 18.981 | 19.325 | 19.670 | 20.014 |
| 104                                       | 16.824 | 17.184 | 17.543 | 17.902 | 18.261 | 18.620 | 18.978 | 19.336 | 19.694 | 20.052 | 20.409 | 20.766 |
| 106                                       | 17.444 | 17.817 | 18.190 | 18.562 | 18.934 | 19.306 | 19.678 | 20.049 | 20.420 | 20.791 | 21.161 | 21.532 |
| 108                                       | 18.075 | 18.462 | 18.848 | 19.234 | 19.619 | 20.004 | 20.389 | 20.774 | 21.159 | 21.543 | 21.927 | 22.310 |
| 110                                       | 18.716 | 19.117 | 19.517 | 19.916 | 20.315 | 20.714 | 21.113 | 21.511 | 21.910 | 22.307 | 22.705 | 23.102 |



续表 31

| $\begin{matrix} V & H \\ D \end{matrix}$ | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112                                      | 10.999 | 11.422 | 11.845 | 12.267 | 12.688 | 13.109 | 13.530 | 13.950 | 14.369 | 14.788 | 15.206 |
| 114                                      | 11.375 | 11.813 | 12.250 | 12.687 | 13.123 | 13.558 | 13.993 | 14.427 | 14.861 | 15.294 | 15.727 |
| 116                                      | 11.758 | 12.210 | 12.662 | 13.113 | 13.564 | 14.013 | 14.463 | 14.912 | 15.360 | 15.808 | 16.255 |
| 118                                      | 12.146 | 12.613 | 13.080 | 13.546 | 14.011 | 14.476 | 14.941 | 15.404 | 15.867 | 16.330 | 16.792 |
| 120                                      | 12.540 | 13.023 | 13.505 | 13.986 | 14.466 | 14.946 | 15.425 | 15.904 | 16.382 | 16.860 | 17.337 |
| 122                                      | 12.940 | 13.438 | 13.936 | 14.432 | 14.928 | 15.423 | 15.918 | 16.412 | 16.905 | 17.398 | 17.890 |
| 124                                      | 13.347 | 13.860 | 14.373 | 14.885 | 15.396 | 15.907 | 16.417 | 16.927 | 17.436 | 17.944 | 18.452 |
| 126                                      | 13.759 | 14.288 | 14.817 | 15.345 | 15.872 | 16.398 | 16.924 | 17.450 | 17.974 | 18.498 | 19.022 |
| 128                                      | 14.177 | 14.722 | 15.267 | 15.811 | 16.354 | 16.897 | 17.439 | 17.980 | 18.520 | 19.060 | 19.600 |
| 130                                      | 14.601 | 15.163 | 15.724 | 16.284 | 16.843 | 17.402 | 17.960 | 18.517 | 19.074 | 19.630 | 20.186 |
| 132                                      | 15.031 | 15.609 | 16.186 | 16.763 | 17.339 | 17.914 | 18.489 | 19.063 | 19.636 | 20.208 | 20.780 |
| 134                                      | 15.466 | 16.062 | 16.656 | 17.249 | 17.842 | 18.434 | 19.025 | 19.615 | 20.205 | 20.794 | 21.383 |
| 136                                      | 15.908 | 16.520 | 17.131 | 17.742 | 18.351 | 18.960 | 19.568 | 20.176 | 20.782 | 21.388 | 21.993 |

续表31

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112                                       | 15.624 | 16.042 | 16.459 | 16.876 | 17.292 | 17.708 | 18.124 | 18.539 | 18.954 | 19.369 | 19.783 |
| 114                                       | 16.159 | 16.591 | 17.022 | 17.453 | 17.884 | 18.314 | 18.744 | 19.173 | 19.602 | 20.031 | 20.460 |
| 116                                       | 16.702 | 17.148 | 17.594 | 18.040 | 18.485 | 18.930 | 19.374 | 19.818 | 20.261 | 20.704 | 21.147 |
| 118                                       | 17.254 | 17.715 | 18.175 | 18.636 | 19.095 | 19.555 | 20.014 | 20.472 | 20.930 | 21.388 | 21.845 |
| 120                                       | 17.814 | 18.290 | 18.765 | 19.241 | 19.715 | 20.190 | 20.663 | 21.137 | 21.610 | 22.082 | 22.555 |
| 122                                       | 18.382 | 18.874 | 19.364 | 19.855 | 20.344 | 20.834 | 21.323 | 21.811 | 22.299 | 22.787 | 23.274 |
| 124                                       | 18.959 | 19.466 | 19.972 | 20.478 | 20.983 | 21.488 | 21.992 | 22.496 | 22.999 | 23.502 | 24.005 |
| 126                                       | 19.545 | 20.067 | 20.589 | 21.110 | 21.631 | 22.151 | 22.671 | 23.191 | 23.710 | 24.228 | 24.746 |
| 128                                       | 20.138 | 20.677 | 21.214 | 21.752 | 22.288 | 22.824 | 23.360 | 23.895 | 24.430 | 24.964 | 25.498 |
| 130                                       | 20.741 | 21.295 | 21.849 | 22.402 | 22.955 | 23.507 | 24.059 | 24.610 | 25.161 | 25.711 | 26.261 |
| 132                                       | 21.351 | 21.922 | 22.492 | 23.062 | 23.631 | 24.199 | 24.767 | 25.334 | 25.901 | 26.468 | 27.034 |
| 134                                       | 21.970 | 22.558 | 23.144 | 23.730 | 24.316 | 24.901 | 25.485 | 26.069 | 26.652 | 27.235 | 27.818 |
| 136                                       | 22.598 | 23.202 | 23.805 | 24.408 | 25.010 | 25.612 | 26.213 | 26.813 | 27.413 | 28.013 | 28.612 |

续表 31

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     |
|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112                                               | 20.197 | 20.610 | 21.023 | 21.436 | 21.849 | 22.261 | 22.673 | 23.085 | 23.496 | 23.907 |
| 114                                               | 20.888 | 21.315 | 21.742 | 22.169 | 22.596 | 23.023 | 23.449 | 23.874 | 24.300 | 24.725 |
| 116                                               | 21.589 | 22.032 | 22.473 | 22.915 | 23.356 | 23.796 | 24.237 | 24.677 | 25.116 | 25.556 |
| 118                                               | 22.302 | 22.759 | 23.215 | 23.671 | 24.127 | 24.582 | 25.037 | 25.492 | 25.946 | 26.400 |
| 120                                               | 23.026 | 23.498 | 23.969 | 24.440 | 24.910 | 25.380 | 25.850 | 26.319 | 26.788 | 27.257 |
| 122                                               | 23.761 | 24.248 | 24.734 | 25.220 | 25.705 | 26.190 | 26.675 | 27.159 | 27.643 | 28.127 |
| 124                                               | 24.507 | 25.009 | 25.510 | 26.011 | 26.512 | 27.012 | 27.512 | 28.011 | 28.511 | 29.009 |
| 126                                               | 25.264 | 25.781 | 26.298 | 26.814 | 27.330 | 27.846 | 28.361 | 28.876 | 29.391 | 29.905 |
| 128                                               | 26.031 | 26.564 | 27.097 | 27.629 | 28.161 | 28.692 | 29.223 | 29.754 | 30.284 | 30.814 |
| 130                                               | 26.810 | 27.359 | 27.907 | 28.455 | 29.003 | 29.550 | 30.097 | 30.644 | 31.190 | 31.735 |
| 132                                               | 27.599 | 28.164 | 28.729 | 29.293 | 29.857 | 30.420 | 30.983 | 31.546 | 32.108 | 32.670 |
| 134                                               | 28.399 | 28.981 | 29.562 | 30.142 | 30.723 | 31.302 | 31.882 | 32.460 | 33.039 | 33.617 |
| 136                                               | 29.210 | 29.809 | 30.406 | 31.003 | 31.600 | 32.196 | 32.792 | 33.387 | 33.982 | 34.577 |

## 三十三、西南地区冷杉二元立木材积表 (二)

$$V = 0.000071171252 D^{1.9327326} H^{0.91161229}$$

表32

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |       |
| 4          |     | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 |       |       |       |       |       |
| 6          |     | 0.004 | 0.006 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.019 | 0.020 |       |       |       |
| 8          |     |       | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.026 | 0.029 | 0.032 | 0.035 | 0.038 | 0.041 | 0.044 |
| 10         |     |       | 0.017 | 0.022 | 0.026 | 0.031 | 0.036 | 0.041 | 0.045 | 0.050 | 0.054 | 0.059 | 0.063 | 0.068 |
| 12         |     |       | 0.024 | 0.031 | 0.038 | 0.044 | 0.051 | 0.058 | 0.064 | 0.071 | 0.077 | 0.084 | 0.090 | 0.096 |
| 14         |     |       |       | 0.041 | 0.051 | 0.060 | 0.069 | 0.078 | 0.087 | 0.095 | 0.104 | 0.113 | 0.121 | 0.130 |
| 16         |     |       |       | 0.054 | 0.066 | 0.077 | 0.089 | 0.101 | 0.112 | 0.123 | 0.135 | 0.146 | 0.157 | 0.168 |
| 18         |     |       |       |       | 0.082 | 0.097 | 0.112 | 0.126 | 0.141 | 0.155 | 0.169 | 0.183 | 0.197 | 0.210 |
| 20         |     |       |       |       | 0.101 | 0.119 | 0.137 | 0.155 | 0.172 | 0.190 | 0.207 | 0.224 | 0.241 | 0.258 |
| 22         |     |       |       |       | 0.121 | 0.143 | 0.165 | 0.186 | 0.207 | 0.228 | 0.249 | 0.270 | 0.290 | 0.310 |
| 24         |     |       |       |       |       | 0.170 | 0.195 | 0.220 | 0.245 | 0.270 | 0.295 | 0.319 | 0.343 | 0.367 |
| 26         |     |       |       |       |       | 0.198 | 0.228 | 0.257 | 0.286 | 0.315 | 0.344 | 0.372 | 0.400 | 0.428 |
| 28         |     |       |       |       |       |       | 0.263 | 0.297 | 0.331 | 0.364 | 0.397 | 0.430 | 0.462 | 0.494 |
| 30         |     |       |       |       |       |       | 0.300 | 0.339 | 0.378 | 0.416 | 0.453 | 0.491 | 0.528 | 0.565 |
| 32         |     |       |       |       |       |       | 0.340 | 0.384 | 0.428 | 0.471 | 0.514 | 0.556 | 0.598 | 0.640 |
| 34         |     |       |       |       |       |       |       | 0.432 | 0.481 | 0.529 | 0.578 | 0.625 | 0.673 | 0.720 |
| 36         |     |       |       |       |       |       |       | 0.482 | 0.537 | 0.591 | 0.645 | 0.698 | 0.751 | 0.804 |
| 38         |     |       |       |       |       |       |       |       | 0.596 | 0.656 | 0.716 | 0.775 | 0.834 | 0.892 |
| 40         |     |       |       |       |       |       |       |       | 0.659 | 0.725 | 0.791 | 0.856 | 0.921 | 0.985 |

续表32

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.072 | 0.076 | 0.081 |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.102 | 0.109 | 0.115 | 0.121 | 0.127 | 0.133 |       |       |       |       |       |       |       |
| 14                                        | 0.138 | 0.146 | 0.155 | 0.163 | 0.171 | 0.179 | 0.187 | 0.196 |       |       |       |       |       |
| 16                                        | 0.179 | 0.189 | 0.200 | 0.211 | 0.221 | 0.232 | 0.243 | 0.253 | 0.264 | 0.274 | 0.284 |       |       |
| 18                                        | 0.224 | 0.238 | 0.251 | 0.265 | 0.278 | 0.291 | 0.305 | 0.318 | 0.331 | 0.344 | 0.357 | 0.370 | 0.383 |
| 20                                        | 0.275 | 0.291 | 0.308 | 0.324 | 0.341 | 0.357 | 0.373 | 0.390 | 0.406 | 0.422 | 0.438 | 0.454 | 0.470 |
| 22                                        | 0.330 | 0.350 | 0.370 | 0.390 | 0.410 | 0.429 | 0.449 | 0.468 | 0.488 | 0.507 | 0.526 | 0.545 | 0.565 |
| 24                                        | 0.391 | 0.415 | 0.438 | 0.462 | 0.485 | 0.508 | 0.531 | 0.554 | 0.577 | 0.600 | 0.623 | 0.645 | 0.668 |
| 26                                        | 0.456 | 0.484 | 0.511 | 0.539 | 0.566 | 0.593 | 0.620 | 0.647 | 0.674 | 0.700 | 0.727 | 0.753 | 0.780 |
| 28                                        | 0.527 | 0.558 | 0.590 | 0.622 | 0.653 | 0.684 | 0.716 | 0.747 | 0.777 | 0.808 | 0.839 | 0.869 | 0.900 |
| 30                                        | 0.602 | 0.638 | 0.674 | 0.710 | 0.746 | 0.782 | 0.818 | 0.853 | 0.888 | 0.923 | 0.958 | 0.993 | 1.028 |
| 32                                        | 0.682 | 0.723 | 0.764 | 0.805 | 0.845 | 0.886 | 0.926 | 0.966 | 1.006 | 1.046 | 1.086 | 1.125 | 1.165 |
| 34                                        | 0.766 | 0.813 | 0.859 | 0.905 | 0.951 | 0.996 | 1.041 | 1.086 | 1.131 | 1.176 | 1.221 | 1.265 | 1.309 |
| 36                                        | 0.856 | 0.908 | 0.959 | 1.011 | 1.062 | 1.112 | 1.163 | 1.213 | 1.264 | 1.314 | 1.363 | 1.413 | 1.462 |
| 38                                        | 0.950 | 1.008 | 1.065 | 1.122 | 1.179 | 1.235 | 1.291 | 1.347 | 1.403 | 1.458 | 1.514 | 1.569 | 1.624 |
| 40                                        | 1.049 | 1.113 | 1.176 | 1.239 | 1.301 | 1.364 | 1.426 | 1.487 | 1.549 | 1.610 | 1.671 | 1.732 | 1.793 |

续表32

| D \ V \ H |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
| 2         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20        | 0.485 | 0.501 | 0.517 |       |       |       |       |       |       |       |       |       |       |
| 22        | 0.584 | 0.603 | 0.621 | 0.640 | 0.659 |       |       |       |       |       |       |       |       |
| 24        | 0.690 | 0.713 | 0.735 | 0.758 | 0.780 | 0.802 | 0.824 | 0.846 |       |       |       |       |       |
| 26        | 0.806 | 0.832 | 0.858 | 0.884 | 0.910 | 0.936 | 0.962 | 0.988 | 1.013 | 1.039 |       |       |       |
| 28        | 0.930 | 0.960 | 0.990 | 1.021 | 1.050 | 1.080 | 1.110 | 1.140 | 1.170 | 1.199 | 1.229 | 1.258 | 1.287 |
| 30        | 1.063 | 1.097 | 1.132 | 1.166 | 1.200 | 1.234 | 1.269 | 1.302 | 1.336 | 1.370 | 1.404 | 1.438 | 1.471 |
| 32        | 1.204 | 1.243 | 1.282 | 1.321 | 1.360 | 1.398 | 1.437 | 1.476 | 1.514 | 1.552 | 1.590 | 1.629 | 1.667 |
| 34        | 1.354 | 1.398 | 1.441 | 1.485 | 1.529 | 1.572 | 1.616 | 1.659 | 1.702 | 1.745 | 1.788 | 1.831 | 1.874 |
| 36        | 1.512 | 1.561 | 1.610 | 1.659 | 1.707 | 1.756 | 1.804 | 1.853 | 1.901 | 1.949 | 1.997 | 2.045 | 2.093 |
| 38        | 1.678 | 1.733 | 1.787 | 1.841 | 1.895 | 1.949 | 2.003 | 2.057 | 2.110 | 2.164 | 2.217 | 2.270 | 2.323 |
| 40        | 1.853 | 1.913 | 1.973 | 2.033 | 2.093 | 2.153 | 2.212 | 2.271 | 2.330 | 2.389 | 2.448 | 2.507 | 2.565 |

续表 32

| $V \backslash H$<br>$D$ | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    |  |  |  |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| 2                       |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 4                       |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 6                       |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 8                       |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 10                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 12                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 14                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 16                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 18                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 20                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 22                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 24                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 26                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 28                      |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 30                      | 1.505 | 1.538 |       |       |       |       |       |       |       |       |  |  |  |
| 32                      | 1.704 | 1.742 | 1.780 | 1.818 | 1.855 |       |       |       |       |       |  |  |  |
| 34                      | 1.916 | 1.959 | 2.001 | 2.044 | 2.086 | 2.128 | 2.170 |       |       |       |  |  |  |
| 36                      | 2.140 | 2.188 | 2.235 | 2.283 | 2.330 | 2.377 | 2.424 | 2.471 | 2.518 | 2.565 |  |  |  |
| 38                      | 2.376 | 2.429 | 2.481 | 2.534 | 2.586 | 2.639 | 2.691 | 2.743 | 2.795 | 2.847 |  |  |  |
| 40                      | 2.624 | 2.682 | 2.740 | 2.798 | 2.856 | 2.914 | 2.971 | 3.029 | 3.086 | 3.144 |  |  |  |

续表32

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.797 | 0.869 | 0.941 | 1.012 | 1.083 | 1.153 | 1.223 | 1.292 | 1.361 | 1.430 | 1.498 | 1.567 | 1.634 | 1.702 |
| 44                                        | 0.872 | 0.951 | 1.029 | 1.107 | 1.184 | 1.261 | 1.338 | 1.414 | 1.489 | 1.565 | 1.639 | 1.714 | 1.788 | 1.862 |
| 46                                        | 0.950 | 1.036 | 1.121 | 1.206 | 1.291 | 1.374 | 1.458 | 1.541 | 1.623 | 1.705 | 1.787 | 1.868 | 1.949 | 2.029 |
| 48                                        | 1.031 | 1.125 | 1.218 | 1.310 | 1.401 | 1.492 | 1.583 | 1.673 | 1.762 | 1.851 | 1.940 | 2.028 | 2.116 | 2.203 |
| 50                                        | 1.116 | 1.217 | 1.318 | 1.417 | 1.516 | 1.615 | 1.713 | 1.810 | 1.907 | 2.003 | 2.099 | 2.194 | 2.289 | 2.384 |
| 52                                        | 1.204 | 1.313 | 1.421 | 1.529 | 1.636 | 1.742 | 1.847 | 1.952 | 2.057 | 2.161 | 2.264 | 2.367 | 2.470 | 2.572 |
| 54                                        |       | 1.412 | 1.529 | 1.645 | 1.759 | 1.874 | 1.987 | 2.100 | 2.212 | 2.324 | 2.436 | 2.546 | 2.657 | 2.766 |
| 56                                        |       | 1.515 | 1.640 | 1.764 | 1.888 | 2.010 | 2.132 | 2.253 | 2.374 | 2.494 | 2.613 | 2.732 | 2.850 | 2.968 |
| 58                                        |       | 1.621 | 1.755 | 1.888 | 2.020 | 2.151 | 2.282 | 2.411 | 2.540 | 2.668 | 2.796 | 2.923 | 3.050 | 3.176 |
| 60                                        |       | 1.731 | 1.874 | 2.016 | 2.157 | 2.297 | 2.436 | 2.574 | 2.712 | 2.849 | 2.986 | 3.121 | 3.257 | 3.391 |
| 62                                        |       |       | 1.997 | 2.148 | 2.298 | 2.447 | 2.595 | 2.743 | 2.890 | 3.036 | 3.181 | 3.326 | 3.470 | 3.613 |
| 64                                        |       |       | 2.123 | 2.284 | 2.443 | 2.602 | 2.760 | 2.916 | 3.072 | 3.228 | 3.382 | 3.536 | 3.689 | 3.842 |
| 66                                        |       |       | 2.253 | 2.424 | 2.593 | 2.761 | 2.929 | 3.095 | 3.261 | 3.426 | 3.589 | 3.753 | 3.915 | 4.077 |
| 68                                        |       |       | 2.387 | 2.568 | 2.747 | 2.925 | 3.103 | 3.279 | 3.454 | 3.629 | 3.803 | 3.976 | 4.148 | 4.319 |
| 70                                        |       |       |       | 2.716 | 2.905 | 3.094 | 3.282 | 3.468 | 3.653 | 3.838 | 4.022 | 4.205 | 4.387 | 4.568 |
| 72                                        |       |       |       | 2.868 | 3.068 | 3.267 | 3.465 | 3.662 | 3.858 | 4.053 | 4.247 | 4.440 | 4.632 | 4.824 |
| 74                                        |       |       |       | 3.024 | 3.235 | 3.445 | 3.654 | 3.861 | 4.068 | 4.273 | 4.478 | 4.681 | 4.884 | 5.086 |
| 76                                        |       |       |       | 3.183 | 3.406 | 3.627 | 3.847 | 4.065 | 4.283 | 4.499 | 4.715 | 4.929 | 5.143 | 5.355 |
| 78                                        |       |       |       |       | 3.581 | 3.814 | 4.045 | 4.275 | 4.503 | 4.731 | 4.957 | 5.183 | 5.407 | 5.631 |
| 80                                        |       |       |       |       | 3.761 | 4.005 | 4.248 | 4.489 | 4.729 | 4.968 | 5.206 | 5.443 | 5.679 | 5.913 |
| 82                                        |       |       |       |       | 3.945 | 4.201 | 4.455 | 4.709 | 4.960 | 5.211 | 5.460 | 5.709 | 5.956 | 6.202 |
| 84                                        |       |       |       |       | 4.133 | 4.401 | 4.668 | 4.933 | 5.197 | 5.459 | 5.721 | 5.981 | 6.240 | 6.498 |
| 86                                        |       |       |       |       |       | 4.606 | 4.885 | 5.163 | 5.439 | 5.713 | 5.987 | 6.259 | 6.530 | 6.800 |
| 88                                        |       |       |       |       |       | 4.815 | 5.107 | 5.397 | 5.686 | 5.973 | 6.259 | 6.544 | 6.827 | 7.109 |
| 90                                        |       |       |       |       |       | 5.029 | 5.334 | 5.637 | 5.938 | 6.238 | 6.537 | 6.834 | 7.130 | 7.425 |



续表 32

| $V \backslash H$<br>$D$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32     | 33     | 34     | 35     | 36     | 37     |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 42                      | 1.769 | 1.836 | 1.903 | 1.970 | 2.036 | 2.103 | 2.169 | 2.234 | 2.300  | 2.365  | 2.431  | 2.496  | 2.561  | 2.625  |
| 44                      | 1.936 | 2.009 | 2.082 | 2.155 | 2.228 | 2.300 | 2.373 | 2.445 | 2.516  | 2.588  | 2.659  | 2.731  | 2.802  | 2.872  |
| 46                      | 2.110 | 2.190 | 2.269 | 2.349 | 2.428 | 2.507 | 2.585 | 2.664 | 2.742  | 2.820  | 2.898  | 2.976  | 3.053  | 3.130  |
| 48                      | 2.290 | 2.377 | 2.464 | 2.550 | 2.636 | 2.722 | 2.807 | 2.892 | 2.977  | 3.062  | 3.146  | 3.231  | 3.315  | 3.398  |
| 50                      | 2.478 | 2.572 | 2.666 | 2.759 | 2.852 | 2.945 | 3.038 | 3.130 | 3.222  | 3.313  | 3.405  | 3.496  | 3.587  | 3.677  |
| 52                      | 2.674 | 2.775 | 2.876 | 2.977 | 3.077 | 3.177 | 3.277 | 3.376 | 3.475  | 3.574  | 3.673  | 3.771  | 3.869  | 3.967  |
| 54                      | 2.876 | 2.985 | 3.094 | 3.203 | 3.310 | 3.417 | 3.525 | 3.632 | 3.738  | 3.845  | 3.951  | 4.056  | 4.162  | 4.267  |
| 56                      | 3.085 | 3.202 | 3.319 | 3.435 | 3.551 | 3.666 | 3.781 | 3.896 | 4.010  | 4.125  | 4.238  | 4.352  | 4.465  | 4.578  |
| 58                      | 3.302 | 3.427 | 3.552 | 3.676 | 3.800 | 3.924 | 4.047 | 4.169 | 4.292  | 4.414  | 4.536  | 4.657  | 4.778  | 4.899  |
| 60                      | 3.525 | 3.659 | 3.792 | 3.925 | 4.057 | 4.189 | 4.321 | 4.452 | 4.583  | 4.713  | 4.843  | 4.973  | 5.102  | 5.231  |
| 62                      | 3.756 | 3.899 | 4.040 | 4.182 | 4.323 | 4.463 | 4.603 | 4.743 | 4.882  | 5.021  | 5.160  | 5.298  | 5.436  | 5.573  |
| 64                      | 3.994 | 4.145 | 4.296 | 4.446 | 4.596 | 4.746 | 4.895 | 5.043 | 5.191  | 5.339  | 5.486  | 5.633  | 5.780  | 5.926  |
| 66                      | 4.239 | 4.399 | 4.559 | 4.719 | 4.878 | 5.037 | 5.195 | 5.352 | 5.509  | 5.666  | 5.823  | 5.978  | 6.134  | 6.289  |
| 68                      | 4.490 | 4.661 | 4.830 | 4.999 | 5.168 | 5.336 | 5.503 | 5.670 | 5.837  | 6.003  | 6.168  | 6.334  | 6.498  | 6.663  |
| 70                      | 4.749 | 4.929 | 5.108 | 5.287 | 5.466 | 5.643 | 5.820 | 5.997 | 6.173  | 6.349  | 6.524  | 6.698  | 6.873  | 7.047  |
| 72                      | 5.015 | 5.205 | 5.394 | 5.583 | 5.771 | 5.959 | 6.146 | 6.333 | 6.513  | 6.704  | 6.889  | 7.073  | 7.257  | 7.441  |
| 74                      | 5.287 | 5.488 | 5.688 | 5.887 | 6.085 | 6.283 | 6.480 | 6.677 | 6.873  | 7.068  | 7.263  | 7.458  | 7.652  | 7.846  |
| 76                      | 5.567 | 5.778 | 5.989 | 6.198 | 6.407 | 6.615 | 6.823 | 7.030 | 7.236  | 7.442  | 7.648  | 7.852  | 8.057  | 8.260  |
| 78                      | 5.854 | 6.076 | 6.297 | 6.517 | 6.737 | 6.956 | 7.174 | 7.392 | 7.609  | 7.826  | 8.041  | 8.257  | 8.472  | 8.686  |
| 80                      | 6.147 | 6.380 | 6.613 | 6.844 | 7.075 | 7.305 | 7.534 | 7.763 | 7.991  | 8.218  | 8.445  | 8.671  | 8.896  | 9.121  |
| 82                      | 6.448 | 6.692 | 6.936 | 7.179 | 7.421 | 7.662 | 7.902 | 8.142 | 8.381  | 8.620  | 8.857  | 9.095  | 9.331  | 9.567  |
| 84                      | 6.755 | 7.011 | 7.267 | 7.521 | 7.774 | 8.027 | 8.279 | 8.530 | 8.781  | 9.031  | 9.280  | 9.528  | 9.776  | 10.023 |
| 86                      | 7.070 | 7.338 | 7.605 | 7.871 | 8.136 | 8.401 | 8.664 | 8.927 | 9.189  | 9.451  | 9.712  | 9.972  | 10.231 | 10.490 |
| 88                      | 7.391 | 7.671 | 7.950 | 8.228 | 8.506 | 8.782 | 9.058 | 9.333 | 9.607  | 9.880  | 10.153 | 10.425 | 10.696 | 10.966 |
| 90                      | 7.719 | 8.011 | 8.303 | 8.594 | 8.883 | 9.172 | 9.460 | 9.747 | 10.033 | 10.319 | 10.603 | 10.887 | 11.171 | 11.453 |

续表 32

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        | 2.690  | 2.755  | 2.819  | 2.883  | 2.947  | 3.011  | 3.075  | 3.138  | 3.202  | 3.265  | 3.329  | 3.392  | 3.455  |
| 44                                        | 2.943  | 3.014  | 3.084  | 3.154  | 3.224  | 3.294  | 3.364  | 3.434  | 3.503  | 3.572  | 3.642  | 3.711  | 3.780  |
| 46                                        | 3.207  | 3.284  | 3.361  | 3.437  | 3.514  | 3.590  | 3.666  | 3.742  | 3.817  | 3.893  | 3.968  | 4.044  | 4.119  |
| 48                                        | 3.482  | 3.566  | 3.649  | 3.732  | 3.815  | 3.897  | 3.980  | 4.062  | 4.145  | 4.227  | 4.309  | 4.390  | 4.472  |
| 50                                        | 3.768  | 3.858  | 3.948  | 4.038  | 4.128  | 4.217  | 4.307  | 4.396  | 4.485  | 4.574  | 4.662  | 4.751  | 4.839  |
| 52                                        | 4.065  | 4.162  | 4.259  | 4.356  | 4.453  | 4.550  | 4.646  | 4.742  | 4.838  | 4.934  | 5.029  | 5.125  | 5.220  |
| 54                                        | 4.372  | 4.477  | 4.582  | 4.686  | 4.790  | 4.894  | 4.997  | 5.101  | 5.204  | 5.307  | 5.410  | 5.513  | 5.615  |
| 56                                        | 4.691  | 4.803  | 4.915  | 5.027  | 5.139  | 5.250  | 5.361  | 5.472  | 5.583  | 5.694  | 5.804  | 5.914  | 6.024  |
| 58                                        | 5.020  | 5.140  | 5.260  | 5.380  | 5.499  | 5.619  | 5.738  | 5.856  | 5.975  | 6.093  | 6.211  | 6.329  | 6.447  |
| 60                                        | 5.360  | 5.488  | 5.616  | 5.744  | 5.872  | 5.999  | 6.126  | 6.253  | 6.379  | 6.506  | 6.632  | 6.758  | 6.883  |
| 62                                        | 5.710  | 5.847  | 5.984  | 6.120  | 6.256  | 6.392  | 6.527  | 6.662  | 6.797  | 6.931  | 7.066  | 7.200  | 7.334  |
| 64                                        | 6.072  | 6.217  | 6.362  | 6.507  | 6.652  | 6.796  | 6.940  | 7.084  | 7.227  | 7.370  | 7.513  | 7.655  | 7.798  |
| 66                                        | 6.444  | 6.598  | 6.752  | 6.906  | 7.059  | 7.213  | 7.365  | 7.518  | 7.670  | 7.822  | 7.973  | 8.125  | 8.276  |
| 68                                        | 6.827  | 6.990  | 7.153  | 7.316  | 7.479  | 7.641  | 7.803  | 7.964  | 8.125  | 8.286  | 8.447  | 8.607  | 8.767  |
| 70                                        | 7.220  | 7.393  | 7.566  | 7.738  | 7.910  | 8.081  | 8.252  | 8.423  | 8.594  | 8.764  | 8.934  | 9.103  | 9.272  |
| 72                                        | 7.624  | 7.807  | 7.989  | 8.171  | 8.352  | 8.533  | 8.714  | 8.894  | 9.074  | 9.254  | 9.433  | 9.612  | 9.791  |
| 74                                        | 8.039  | 8.231  | 8.423  | 8.615  | 8.807  | 8.997  | 9.188  | 9.378  | 9.568  | 9.757  | 9.946  | 10.135 | 10.324 |
| 76                                        | 8.464  | 8.667  | 8.869  | 9.071  | 9.272  | 9.473  | 9.674  | 9.874  | 10.074 | 10.274 | 10.473 | 10.671 | 10.870 |
| 78                                        | 8.900  | 9.113  | 9.326  | 9.538  | 9.750  | 9.961  | 10.172 | 10.383 | 10.593 | 10.802 | 11.012 | 11.221 | 11.429 |
| 80                                        | 9.346  | 9.570  | 9.793  | 10.016 | 10.239 | 10.461 | 10.682 | 10.903 | 11.124 | 11.344 | 11.564 | 11.783 | 12.002 |
| 82                                        | 9.803  | 10.038 | 10.272 | 10.506 | 10.739 | 10.972 | 11.204 | 11.436 | 11.668 | 11.899 | 12.129 | 12.359 | 12.589 |
| 84                                        | 10.270 | 10.516 | 10.762 | 11.007 | 11.251 | 11.495 | 11.739 | 11.981 | 12.224 | 12.466 | 12.708 | 12.949 | 13.189 |
| 86                                        | 10.748 | 11.005 | 11.262 | 11.519 | 11.775 | 12.030 | 12.285 | 12.539 | 12.793 | 13.046 | 13.299 | 13.551 | 13.803 |
| 88                                        | 11.236 | 11.505 | 11.774 | 12.042 | 12.310 | 12.576 | 12.843 | 13.109 | 13.374 | 13.639 | 13.903 | 14.167 | 14.430 |
| 90                                        | 11.735 | 12.016 | 12.297 | 12.577 | 12.856 | 13.135 | 13.413 | 13.691 | 13.968 | 14.244 | 14.520 | 14.796 | 15.071 |

## 三十四、云南松二元立木材积表

$$V = 0.000058290117 D^{1.9786344} H^{0.90715154}$$

表 33

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.006 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |
| 4          |     | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.009 |
| 6          |     | 0.004 | 0.005 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 |
| 8          |     | 0.007 | 0.010 | 0.013 | 0.015 | 0.018 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.034 | 0.037 |
| 10         |     |       | 0.015 | 0.020 | 0.024 | 0.028 | 0.032 | 0.037 | 0.041 | 0.045 | 0.049 | 0.053 | 0.057 |
| 12         |     |       | 0.022 | 0.028 | 0.034 | 0.041 | 0.047 | 0.053 | 0.059 | 0.064 | 0.070 | 0.076 | 0.082 |
| 14         |     |       |       | 0.038 | 0.047 | 0.055 | 0.063 | 0.071 | 0.079 | 0.087 | 0.095 | 0.103 | 0.111 |
| 16         |     |       |       | 0.050 | 0.061 | 0.072 | 0.082 | 0.093 | 0.104 | 0.114 | 0.124 | 0.134 | 0.144 |
| 18         |     |       |       |       | 0.077 | 0.090 | 0.104 | 0.117 | 0.131 | 0.144 | 0.157 | 0.170 | 0.182 |
| 20         |     |       |       |       | 0.094 | 0.111 | 0.128 | 0.145 | 0.161 | 0.177 | 0.193 | 0.209 | 0.225 |
| 22         |     |       |       |       | 0.114 | 0.135 | 0.155 | 0.175 | 0.194 | 0.214 | 0.233 | 0.252 | 0.271 |
| 24         |     |       |       |       |       | 0.160 | 0.184 | 0.208 | 0.231 | 0.254 | 0.277 | 0.300 | 0.322 |
| 26         |     |       |       |       |       | 0.187 | 0.215 | 0.243 | 0.271 | 0.298 | 0.325 | 0.351 | 0.378 |
| 28         |     |       |       |       |       | 0.217 | 0.250 | 0.282 | 0.313 | 0.345 | 0.376 | 0.407 | 0.437 |
| 30         |     |       |       |       |       |       | 0.286 | 0.323 | 0.359 | 0.395 | 0.431 | 0.466 | 0.501 |
| 32         |     |       |       |       |       |       | 0.325 | 0.367 | 0.408 | 0.449 | 0.490 | 0.530 | 0.570 |
| 34         |     |       |       |       |       |       |       | 0.414 | 0.460 | 0.506 | 0.552 | 0.598 | 0.643 |
| 36         |     |       |       |       |       |       |       | 0.463 | 0.515 | 0.567 | 0.618 | 0.669 | 0.719 |
| 38         |     |       |       |       |       |       |       |       | 0.574 | 0.631 | 0.688 | 0.745 | 0.801 |
| 40         |     |       |       |       |       |       |       |       | 0.635 | 0.699 | 0.762 | 0.824 | 0.886 |

续表33

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         | 0.010 |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.022 | 0.024 | 0.025 | 0.026 | 0.028 | 0.029 | 0.031 |       |       |       |       |       |
| 8                                         | 0.039 | 0.042 | 0.044 | 0.047 | 0.049 | 0.052 | 0.054 | 0.057 | 0.059 | 0.061 | 0.064 |       |
| 10                                        | 0.061 | 0.065 | 0.069 | 0.073 | 0.077 | 0.080 | 0.084 | 0.088 | 0.092 | 0.096 | 0.099 | 0.103 |
| 12                                        | 0.087 | 0.093 | 0.099 | 0.104 | 0.110 | 0.115 | 0.121 | 0.126 | 0.132 | 0.137 | 0.143 | 0.148 |
| 14                                        | 0.119 | 0.126 | 0.134 | 0.141 | 0.149 | 0.157 | 0.164 | 0.171 | 0.179 | 0.186 | 0.193 | 0.201 |
| 16                                        | 0.155 | 0.165 | 0.174 | 0.184 | 0.194 | 0.204 | 0.214 | 0.223 | 0.233 | 0.242 | 0.252 | 0.261 |
| 18                                        | 0.195 | 0.208 | 0.220 | 0.233 | 0.245 | 0.257 | 0.270 | 0.282 | 0.294 | 0.306 | 0.318 | 0.330 |
| 20                                        | 0.240 | 0.256 | 0.271 | 0.287 | 0.302 | 0.317 | 0.332 | 0.347 | 0.362 | 0.377 | 0.392 | 0.407 |
| 22                                        | 0.290 | 0.309 | 0.328 | 0.346 | 0.365 | 0.383 | 0.401 | 0.419 | 0.437 | 0.455 | 0.473 | 0.491 |
| 24                                        | 0.345 | 0.367 | 0.389 | 0.411 | 0.433 | 0.455 | 0.477 | 0.498 | 0.520 | 0.541 | 0.562 | 0.584 |
| 26                                        | 0.404 | 0.430 | 0.456 | 0.482 | 0.508 | 0.533 | 0.558 | 0.584 | 0.609 | 0.634 | 0.659 | 0.684 |
| 28                                        | 0.468 | 0.498 | 0.528 | 0.558 | 0.588 | 0.617 | 0.647 | 0.676 | 0.705 | 0.734 | 0.763 | 0.792 |
| 30                                        | 0.536 | 0.571 | 0.605 | 0.640 | 0.674 | 0.708 | 0.741 | 0.775 | 0.808 | 0.841 | 0.875 | 0.908 |
| 32                                        | 0.609 | 0.649 | 0.688 | 0.727 | 0.766 | 0.804 | 0.842 | 0.880 | 0.918 | 0.956 | 0.994 | 1.031 |
| 34                                        | 0.687 | 0.732 | 0.776 | 0.820 | 0.863 | 0.907 | 0.950 | 0.993 | 1.035 | 1.078 | 1.121 | 1.163 |
| 36                                        | 0.770 | 0.819 | 0.869 | 0.918 | 0.967 | 1.015 | 1.063 | 1.112 | 1.160 | 1.207 | 1.255 | 1.302 |
| 38                                        | 0.856 | 0.912 | 0.967 | 1.021 | 1.076 | 1.130 | 1.184 | 1.237 | 1.291 | 1.344 | 1.397 | 1.449 |
| 40                                        | 0.948 | 1.009 | 1.070 | 1.131 | 1.191 | 1.251 | 1.310 | 1.369 | 1.428 | 1.487 | 1.546 | 1.604 |

续表 33

| $\begin{matrix} V & H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       | 0.107 | 0.111 | 0.114 |       |       |       |       |       |       |       |       |       |
| 12                                       | 0.153 | 0.159 | 0.164 | 0.169 | 0.175 |       |       |       |       |       |       |       |
| 14                                       | 0.208 | 0.215 | 0.222 | 0.230 | 0.237 |       |       |       |       |       |       |       |
| 16                                       | 0.271 | 0.280 | 0.290 | 0.299 | 0.309 | 0.318 | 0.327 | 0.336 | 0.346 |       |       |       |
| 18                                       | 0.342 | 0.354 | 0.366 | 0.378 | 0.390 | 0.401 | 0.413 | 0.425 | 0.436 | 0.448 | 0.460 |       |
| 20                                       | 0.421 | 0.436 | 0.451 | 0.465 | 0.480 | 0.494 | 0.509 | 0.523 | 0.538 | 0.552 | 0.566 |       |
| 22                                       | 0.509 | 0.527 | 0.544 | 0.562 | 0.580 | 0.597 | 0.614 | 0.632 | 0.649 | 0.667 | 0.684 | 0.701 |
| 24                                       | 0.605 | 0.626 | 0.647 | 0.668 | 0.688 | 0.709 | 0.730 | 0.751 | 0.771 | 0.792 | 0.812 | 0.833 |
| 26                                       | 0.708 | 0.733 | 0.758 | 0.782 | 0.807 | 0.831 | 0.855 | 0.880 | 0.904 | 0.928 | 0.952 | 0.976 |
| 28                                       | 0.820 | 0.849 | 0.877 | 0.906 | 0.934 | 0.962 | 0.990 | 1.018 | 1.046 | 1.074 | 1.102 | 1.130 |
| 30                                       | 0.940 | 0.973 | 1.006 | 1.038 | 1.071 | 1.103 | 1.135 | 1.168 | 1.200 | 1.232 | 1.263 | 1.295 |
| 32                                       | 1.069 | 1.106 | 1.143 | 1.180 | 1.217 | 1.254 | 1.290 | 1.327 | 1.363 | 1.399 | 1.436 | 1.472 |
| 34                                       | 1.205 | 1.247 | 1.289 | 1.330 | 1.372 | 1.413 | 1.455 | 1.496 | 1.537 | 1.578 | 1.619 | 1.659 |
| 36                                       | 1.349 | 1.396 | 1.443 | 1.490 | 1.536 | 1.583 | 1.629 | 1.675 | 1.721 | 1.767 | 1.813 | 1.858 |
| 38                                       | 1.502 | 1.554 | 1.606 | 1.658 | 1.710 | 1.761 | 1.813 | 1.864 | 1.915 | 1.966 | 2.017 | 2.068 |
| 40                                       | 1.662 | 1.720 | 1.778 | 1.835 | 1.893 | 1.950 | 2.007 | 2.064 | 2.120 | 2.177 | 2.233 | 2.289 |

续表33

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48 | 49 |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 2                                         |       |       |       |       |       |       |       |       |       |       |    |    |
| 4                                         |       |       |       |       |       |       |       |       |       |       |    |    |
| 6                                         |       |       |       |       |       |       |       |       |       |       |    |    |
| 8                                         |       |       |       |       |       |       |       |       |       |       |    |    |
| 10                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 12                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 14                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 16                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 18                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 20                                        |       |       |       |       |       |       |       |       |       |       |    |    |
| 22                                        | 0.718 | 0.735 |       |       |       |       |       |       |       |       |    |    |
| 24                                        | 0.853 | 0.873 | 0.894 |       |       |       |       |       |       |       |    |    |
| 26                                        | 1.000 | 1.023 | 1.047 | 1.071 |       |       |       |       |       |       |    |    |
| 28                                        | 1.158 | 1.185 | 1.213 | 1.240 | 1.268 |       |       |       |       |       |    |    |
| 30                                        | 1.327 | 1.359 | 1.390 | 1.422 | 1.453 | 1.484 |       |       |       |       |    |    |
| 32                                        | 1.508 | 1.544 | 1.580 | 1.615 | 1.651 | 1.687 | 1.722 |       |       |       |    |    |
| 34                                        | 1.700 | 1.741 | 1.781 | 1.821 | 1.862 | 1.902 | 1.942 | 1.982 |       |       |    |    |
| 36                                        | 1.904 | 1.949 | 1.994 | 2.040 | 2.085 | 2.130 | 2.175 | 2.219 | 2.264 |       |    |    |
| 38                                        | 2.119 | 2.169 | 2.220 | 2.270 | 2.320 | 2.370 | 2.420 | 2.470 | 2.520 | 2.569 |    |    |
| 40                                        | 2.345 | 2.401 | 2.457 | 2.513 | 2.568 | 2.624 | 2.679 | 2.734 | 2.789 | 2.844 |    |    |

续表 33

| $\begin{matrix} V & H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 0.699 | 0.769 | 0.839 | 0.908 | 0.976 | 1.044 | 1.112 | 1.179 | 1.245 | 1.311 | 1.377 | 1.443 |
| 44                                       |       | 0.844 | 0.920 | 0.995 | 1.070 | 1.145 | 1.219 | 1.292 | 1.365 | 1.438 | 1.510 | 1.582 |
| 46                                       |       | 0.921 | 1.004 | 1.087 | 1.169 | 1.250 | 1.331 | 1.411 | 1.491 | 1.570 | 1.649 | 1.728 |
| 48                                       |       |       | 1.093 | 1.183 | 1.272 | 1.360 | 1.448 | 1.535 | 1.622 | 1.708 | 1.794 | 1.880 |
| 50                                       |       |       | 1.185 | 1.282 | 1.379 | 1.475 | 1.570 | 1.664 | 1.758 | 1.852 | 1.945 | 2.038 |
| 52                                       |       |       |       | 1.386 | 1.490 | 1.594 | 1.696 | 1.799 | 1.900 | 2.002 | 2.102 | 2.202 |
| 54                                       |       |       |       | 1.493 | 1.606 | 1.717 | 1.828 | 1.938 | 2.048 | 2.157 | 2.265 | 2.373 |
| 56                                       |       |       |       |       | 1.725 | 1.845 | 1.965 | 2.083 | 2.201 | 2.318 | 2.434 | 2.550 |
| 58                                       |       |       |       |       | 1.849 | 1.978 | 2.106 | 2.233 | 2.359 | 2.485 | 2.610 | 2.734 |
| 60                                       |       |       |       |       | 1.978 | 2.115 | 2.252 | 2.388 | 2.523 | 2.657 | 2.791 | 2.924 |
| 62                                       |       |       |       |       |       | 2.257 | 2.403 | 2.548 | 2.692 | 2.835 | 2.978 | 3.120 |
| 64                                       |       |       |       |       |       | 2.404 | 2.559 | 2.713 | 2.867 | 3.019 | 3.171 | 3.322 |
| 66                                       |       |       |       |       |       |       | 2.720 | 2.884 | 3.047 | 3.209 | 3.370 | 3.531 |
| 68                                       |       |       |       |       |       |       | 2.885 | 3.059 | 3.232 | 3.404 | 3.575 | 3.746 |
| 70                                       |       |       |       |       |       |       |       | 3.240 | 3.423 | 3.605 | 3.786 | 3.967 |
| 72                                       |       |       |       |       |       |       |       |       | 3.619 | 3.812 | 4.004 | 4.194 |
| 74                                       |       |       |       |       |       |       |       |       | 3.821 | 4.025 | 4.227 | 4.428 |
| 76                                       |       |       |       |       |       |       |       |       |       | 4.243 | 4.456 | 4.668 |
| 78                                       |       |       |       |       |       |       |       |       |       | 4.467 | 4.691 | 4.915 |
| 80                                       |       |       |       |       |       |       |       |       |       | 4.696 | 4.932 | 5.167 |

续表33

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.508 | 1.573 | 1.638 | 1.703 | 1.767 | 1.831 | 1.895 | 1.958 | 2.021 | 2.085 | 2.147 | 2.210 |
| 44                                        | 1.654 | 1.725 | 1.796 | 1.867 | 1.937 | 2.007 | 2.077 | 2.147 | 2.216 | 2.286 | 2.355 | 2.423 |
| 46                                        | 1.806 | 1.884 | 1.961 | 2.038 | 2.115 | 2.192 | 2.268 | 2.344 | 2.420 | 2.496 | 2.571 | 2.646 |
| 48                                        | 1.965 | 2.049 | 2.134 | 2.218 | 2.301 | 2.385 | 2.468 | 2.551 | 2.633 | 2.715 | 2.797 | 2.879 |
| 50                                        | 2.130 | 2.222 | 2.313 | 2.404 | 2.495 | 2.585 | 2.675 | 2.765 | 2.855 | 2.944 | 3.033 | 3.121 |
| 52                                        | 2.302 | 2.401 | 2.500 | 2.598 | 2.696 | 2.794 | 2.891 | 2.988 | 3.085 | 3.181 | 3.278 | 3.373 |
| 54                                        | 2.481 | 2.588 | 2.694 | 2.800 | 2.906 | 3.011 | 3.116 | 3.220 | 3.324 | 3.428 | 3.532 | 3.635 |
| 56                                        | 2.666 | 2.781 | 2.895 | 3.009 | 3.123 | 3.236 | 3.348 | 3.461 | 3.573 | 3.684 | 3.795 | 3.906 |
| 58                                        | 2.858 | 2.981 | 3.103 | 3.226 | 3.347 | 3.468 | 3.589 | 3.710 | 3.830 | 3.949 | 4.068 | 4.187 |
| 60                                        | 3.056 | 3.188 | 3.319 | 3.449 | 3.580 | 3.709 | 3.838 | 3.967 | 4.095 | 4.223 | 4.351 | 4.478 |
| 62                                        | 3.261 | 3.401 | 3.541 | 3.681 | 3.820 | 3.958 | 4.096 | 4.233 | 4.370 | 4.507 | 4.643 | 4.778 |
| 64                                        | 3.472 | 3.622 | 3.771 | 3.920 | 4.067 | 4.215 | 4.361 | 4.508 | 4.654 | 4.799 | 4.944 | 5.088 |
| 66                                        | 3.690 | 3.850 | 4.008 | 4.166 | 4.323 | 4.479 | 4.635 | 4.791 | 4.946 | 5.100 | 5.254 | 5.403 |
| 68                                        | 3.915 | 4.084 | 4.252 | 4.419 | 4.586 | 4.752 | 4.918 | 5.083 | 5.247 | 5.411 | 5.574 | 5.737 |
| 70                                        | 4.146 | 4.325 | 4.503 | 4.680 | 4.857 | 5.033 | 5.208 | 5.383 | 5.557 | 5.730 | 5.903 | 6.076 |
| 72                                        | 4.384 | 4.573 | 4.761 | 4.949 | 5.135 | 5.321 | 5.507 | 5.691 | 5.876 | 6.059 | 6.242 | 6.424 |
| 74                                        | 4.629 | 4.823 | 5.021 | 5.225 | 5.422 | 5.618 | 5.814 | 6.009 | 6.203 | 6.397 | 6.590 | 6.782 |
| 76                                        | 4.879 | 5.090 | 5.299 | 5.508 | 5.716 | 5.923 | 6.129 | 6.334 | 6.539 | 6.744 | 6.947 | 7.150 |
| 78                                        | 5.137 | 5.358 | 5.579 | 5.798 | 6.017 | 6.235 | 6.452 | 6.669 | 6.884 | 7.099 | 7.314 | 7.527 |
| 80                                        | 5.401 | 5.634 | 5.866 | 6.096 | 6.326 | 6.556 | 6.784 | 7.011 | 7.238 | 7.464 | 7.690 | 7.914 |



续表 33

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42     | 43     | 44     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 42                                        | 2.273 | 2.335 | 2.397 | 2.459 | 2.521 | 2.583 | 2.645 | 2.706 | 2.767 | 2.829  | 2.890  | 2.951  |
| 44                                        | 2.492 | 2.560 | 2.629 | 2.697 | 2.765 | 2.832 | 2.900 | 2.967 | 3.034 | 3.101  | 3.168  | 3.235  |
| 46                                        | 2.721 | 2.796 | 2.870 | 2.945 | 3.019 | 3.093 | 3.167 | 3.240 | 3.313 | 3.387  | 3.460  | 3.533  |
| 48                                        | 2.960 | 3.042 | 3.123 | 3.204 | 3.284 | 3.365 | 3.445 | 3.525 | 3.605 | 3.684  | 3.764  | 3.843  |
| 50                                        | 3.210 | 3.298 | 3.386 | 3.473 | 3.561 | 3.648 | 3.735 | 3.822 | 3.908 | 3.995  | 4.081  | 4.167  |
| 52                                        | 3.469 | 3.564 | 3.659 | 3.754 | 3.848 | 3.942 | 4.036 | 4.130 | 4.224 | 4.317  | 4.410  | 4.503  |
| 54                                        | 3.738 | 3.840 | 3.943 | 4.045 | 4.147 | 4.248 | 4.349 | 4.451 | 4.551 | 4.652  | 4.752  | 4.852  |
| 56                                        | 4.017 | 4.127 | 4.237 | 4.347 | 4.456 | 4.565 | 4.674 | 4.783 | 4.891 | 4.999  | 5.107  | 5.215  |
| 58                                        | 4.306 | 4.424 | 4.542 | 4.660 | 4.777 | 4.894 | 5.010 | 5.127 | 5.243 | 5.359  | 5.474  | 5.590  |
| 60                                        | 4.605 | 4.731 | 4.857 | 4.983 | 5.108 | 5.233 | 5.358 | 5.483 | 5.607 | 5.731  | 5.854  | 5.978  |
| 62                                        | 4.914 | 5.048 | 5.183 | 5.317 | 5.451 | 5.584 | 5.718 | 5.850 | 5.983 | 6.115  | 6.247  | 6.379  |
| 64                                        | 5.232 | 5.376 | 5.519 | 5.662 | 5.805 | 5.947 | 6.088 | 6.230 | 6.371 | 6.512  | 6.652  | 6.793  |
| 66                                        | 5.561 | 5.714 | 5.866 | 6.018 | 6.169 | 6.320 | 6.471 | 6.621 | 6.771 | 6.921  | 7.070  | 7.219  |
| 68                                        | 5.899 | 6.061 | 6.223 | 6.384 | 6.545 | 6.705 | 6.865 | 7.024 | 7.183 | 7.342  | 7.501  | 7.659  |
| 70                                        | 6.248 | 6.419 | 6.590 | 6.761 | 6.931 | 7.101 | 7.270 | 7.439 | 7.608 | 7.776  | 7.944  | 8.111  |
| 72                                        | 6.606 | 6.788 | 6.968 | 7.149 | 7.329 | 7.508 | 7.687 | 7.866 | 8.044 | 8.222  | 8.399  | 8.576  |
| 74                                        | 6.974 | 7.166 | 7.357 | 7.547 | 7.737 | 7.927 | 8.116 | 8.304 | 8.492 | 8.680  | 8.867  | 9.054  |
| 76                                        | 7.353 | 7.554 | 7.756 | 7.956 | 8.157 | 8.356 | 8.556 | 8.754 | 8.953 | 9.151  | 9.348  | 9.545  |
| 78                                        | 7.741 | 7.953 | 8.165 | 8.376 | 8.587 | 8.797 | 9.007 | 9.216 | 9.425 | 9.633  | 9.841  | 10.049 |
| 80                                        | 8.138 | 8.362 | 8.585 | 8.807 | 9.028 | 9.250 | 9.470 | 9.690 | 9.910 | 10.129 | 10.347 | 10.565 |

续表33

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     |  |  |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 42                                        | 3.011  | 3.072  | 3.132  | 3.193  |        |        |        |        |        |        |  |  |
| 44                                        | 3.302  | 3.368  | 3.435  | 3.501  | 3.567  |        |        |        |        |        |  |  |
| 46                                        | 3.605  | 3.678  | 3.751  | 3.823  | 3.895  |        |        |        |        |        |  |  |
| 48                                        | 3.922  | 4.001  | 4.080  | 4.159  | 4.237  | 4.316  |        |        |        |        |  |  |
| 50                                        | 4.253  | 4.338  | 4.424  | 4.509  | 4.594  | 4.679  |        |        |        |        |  |  |
| 52                                        | 4.596  | 4.688  | 4.781  | 4.873  | 4.965  | 5.057  |        |        |        |        |  |  |
| 54                                        | 4.952  | 5.052  | 5.152  | 5.251  | 5.350  | 5.449  | 5.548  |        |        |        |  |  |
| 56                                        | 5.322  | 5.429  | 5.536  | 5.643  | 5.750  | 5.856  | 5.962  |        |        |        |  |  |
| 58                                        | 5.705  | 5.820  | 5.934  | 6.049  | 6.163  | 6.277  | 6.391  | 6.504  |        |        |  |  |
| 60                                        | 6.101  | 6.224  | 6.346  | 6.469  | 6.591  | 6.713  | 6.835  | 6.956  |        |        |  |  |
| 62                                        | 6.510  | 6.641  | 6.772  | 6.903  | 7.033  | 7.163  | 7.293  | 7.423  | 7.552  |        |  |  |
| 64                                        | 6.932  | 7.072  | 7.211  | 7.350  | 7.489  | 7.628  | 7.766  | 7.904  | 8.042  |        |  |  |
| 66                                        | 7.368  | 7.516  | 7.664  | 7.812  | 7.960  | 8.107  | 8.254  | 8.400  | 8.547  | 8.693  |  |  |
| 68                                        | 7.816  | 7.974  | 8.131  | 8.288  | 8.444  | 8.600  | 8.756  | 8.912  | 9.067  | 9.222  |  |  |
| 70                                        | 8.278  | 8.445  | 8.611  | 8.777  | 8.943  | 9.108  | 9.273  | 9.438  | 9.603  | 9.767  |  |  |
| 72                                        | 8.753  | 8.929  | 9.105  | 9.281  | 9.456  | 9.631  | 9.805  | 9.980  | 10.153 | 10.327 |  |  |
| 74                                        | 9.241  | 9.427  | 9.613  | 9.798  | 9.983  | 10.167 | 10.352 | 10.536 | 10.719 | 10.903 |  |  |
| 76                                        | 9.742  | 9.938  | 10.134 | 10.329 | 10.524 | 10.719 | 10.913 | 11.107 | 11.301 | 11.494 |  |  |
| 78                                        | 10.256 | 10.462 | 10.668 | 10.874 | 11.079 | 11.284 | 11.488 | 11.693 | 11.897 | 12.100 |  |  |
| 80                                        | 10.783 | 11.000 | 11.217 | 11.433 | 11.649 | 11.864 | 12.079 | 12.294 | 12.508 | 12.722 |  |  |

## 三十五、思茅松二元立木材积表

$$V = 0.000051577714 D^{1.985218} H^{0.92035086}$$

表 34

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4          |     | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 |       |       |       |       |
| 6          |     | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 |
| 8          |     | 0.006 | 0.009 | 0.011 | 0.014 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.036 |
| 10         |     |       | 0.014 | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.038 | 0.041 | 0.045 | 0.049 | 0.053 | 0.057 |
| 12         |     |       | 0.020 | 0.026 | 0.031 | 0.037 | 0.043 | 0.049 | 0.054 | 0.060 | 0.065 | 0.070 | 0.076 | 0.081 |
| 14         |     |       |       | 0.035 | 0.043 | 0.051 | 0.058 | 0.066 | 0.073 | 0.081 | 0.088 | 0.096 | 0.103 | 0.110 |
| 16         |     |       |       | 0.045 | 0.056 | 0.066 | 0.076 | 0.086 | 0.096 | 0.106 | 0.115 | 0.125 | 0.134 | 0.144 |
| 18         |     |       |       |       | 0.070 | 0.083 | 0.096 | 0.109 | 0.121 | 0.133 | 0.146 | 0.158 | 0.170 | 0.182 |
| 20         |     |       |       |       | 0.087 | 0.103 | 0.118 | 0.134 | 0.149 | 0.164 | 0.179 | 0.194 | 0.209 | 0.224 |
| 22         |     |       |       |       | 0.105 | 0.124 | 0.143 | 0.162 | 0.180 | 0.199 | 0.217 | 0.235 | 0.253 | 0.271 |
| 24         |     |       |       |       |       | 0.147 | 0.170 | 0.192 | 0.214 | 0.236 | 0.258 | 0.279 | 0.300 | 0.322 |
| 26         |     |       |       |       |       | 0.173 | 0.199 | 0.225 | 0.251 | 0.277 | 0.302 | 0.327 | 0.352 | 0.377 |
| 28         |     |       |       |       |       | 0.200 | 0.231 | 0.261 | 0.291 | 0.320 | 0.350 | 0.379 | 0.408 | 0.437 |
| 30         |     |       |       |       |       |       | 0.265 | 0.299 | 0.334 | 0.367 | 0.401 | 0.435 | 0.468 | 0.501 |
| 32         |     |       |       |       |       |       | 0.301 | 0.340 | 0.379 | 0.418 | 0.456 | 0.494 | 0.532 | 0.569 |
| 34         |     |       |       |       |       |       | 0.339 | 0.384 | 0.428 | 0.471 | 0.514 | 0.557 | 0.600 | 0.642 |
| 36         |     |       |       |       |       |       |       | 0.430 | 0.479 | 0.528 | 0.576 | 0.624 | 0.672 | 0.719 |
| 38         |     |       |       |       |       |       |       |       | 0.533 | 0.588 | 0.641 | 0.695 | 0.748 | 0.801 |
| 40         |     |       |       |       |       |       |       |       | 0.590 | 0.651 | 0.710 | 0.769 | 0.828 | 0.887 |

续表34

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.022 | 0.023 | 0.025 | 0.026 | 0.027 | 0.028 |       |       |       |       |       |       |       |
| 8                                         | 0.039 | 0.041 | 0.043 | 0.046 | 0.048 | 0.050 | 0.053 | 0.055 | 0.057 | 0.060 |       |       |       |
| 10                                        | 0.060 | 0.064 | 0.068 | 0.071 | 0.075 | 0.079 | 0.082 | 0.086 | 0.089 | 0.093 | 0.096 |       |       |
| 12                                        | 0.087 | 0.092 | 0.097 | 0.102 | 0.108 | 0.113 | 0.118 | 0.123 | 0.128 | 0.133 | 0.139 | 0.144 | 0.149 |
| 14                                        | 0.118 | 0.125 | 0.132 | 0.139 | 0.146 | 0.153 | 0.160 | 0.167 | 0.174 | 0.181 | 0.188 | 0.195 | 0.202 |
| 16                                        | 0.153 | 0.163 | 0.172 | 0.181 | 0.190 | 0.200 | 0.209 | 0.218 | 0.227 | 0.236 | 0.245 | 0.254 | 0.263 |
| 18                                        | 0.194 | 0.205 | 0.217 | 0.229 | 0.241 | 0.252 | 0.264 | 0.275 | 0.287 | 0.298 | 0.310 | 0.321 | 0.333 |
| 20                                        | 0.239 | 0.253 | 0.268 | 0.282 | 0.297 | 0.311 | 0.325 | 0.339 | 0.354 | 0.368 | 0.382 | 0.396 | 0.410 |
| 22                                        | 0.288 | 0.306 | 0.324 | 0.341 | 0.358 | 0.376 | 0.393 | 0.410 | 0.427 | 0.444 | 0.461 | 0.478 | 0.495 |
| 24                                        | 0.343 | 0.364 | 0.385 | 0.405 | 0.426 | 0.447 | 0.467 | 0.488 | 0.508 | 0.528 | 0.548 | 0.569 | 0.589 |
| 26                                        | 0.402 | 0.426 | 0.451 | 0.475 | 0.499 | 0.523 | 0.548 | 0.571 | 0.595 | 0.619 | 0.643 | 0.666 | 0.690 |
| 28                                        | 0.465 | 0.494 | 0.522 | 0.550 | 0.578 | 0.606 | 0.634 | 0.662 | 0.690 | 0.717 | 0.745 | 0.772 | 0.799 |
| 30                                        | 0.534 | 0.566 | 0.599 | 0.631 | 0.663 | 0.695 | 0.727 | 0.759 | 0.791 | 0.823 | 0.854 | 0.885 | 0.917 |
| 32                                        | 0.607 | 0.644 | 0.681 | 0.717 | 0.754 | 0.791 | 0.827 | 0.863 | 0.899 | 0.935 | 0.971 | 1.006 | 1.042 |
| 34                                        | 0.684 | 0.726 | 0.768 | 0.809 | 0.851 | 0.892 | 0.933 | 0.973 | 1.014 | 1.055 | 1.095 | 1.135 | 1.175 |
| 36                                        | 0.766 | 0.813 | 0.860 | 0.906 | 0.953 | 0.999 | 1.045 | 1.090 | 1.136 | 1.181 | 1.226 | 1.272 | 1.316 |
| 38                                        | 0.853 | 0.906 | 0.957 | 1.009 | 1.061 | 1.112 | 1.163 | 1.214 | 1.265 | 1.315 | 1.365 | 1.416 | 1.466 |
| 40                                        | 0.945 | 1.003 | 1.060 | 1.117 | 1.174 | 1.231 | 1.288 | 1.344 | 1.400 | 1.456 | 1.512 | 1.567 | 1.623 |

续表 34

| $\begin{matrix} V & H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                       | 0.209 | 0.216 |       |       |       |       |       |       |       |       |       |       |       |
| 16                                       | 0.272 | 0.281 | 0.290 | 0.299 |       |       |       |       |       |       |       |       |       |
| 18                                       | 0.344 | 0.355 | 0.366 | 0.378 | 0.389 | 0.400 |       |       |       |       |       |       |       |
| 20                                       | 0.424 | 0.438 | 0.452 | 0.465 | 0.479 | 0.493 | 0.507 | 0.520 |       |       |       |       |       |
| 22                                       | 0.512 | 0.529 | 0.546 | 0.562 | 0.579 | 0.596 | 0.612 | 0.629 | 0.645 |       |       |       |       |
| 24                                       | 0.609 | 0.629 | 0.649 | 0.668 | 0.688 | 0.708 | 0.728 | 0.747 | 0.767 | 0.787 |       |       |       |
| 26                                       | 0.713 | 0.737 | 0.760 | 0.784 | 0.807 | 0.830 | 0.853 | 0.876 | 0.899 | 0.922 | 0.945 |       |       |
| 28                                       | 0.827 | 0.854 | 0.881 | 0.908 | 0.935 | 0.962 | 0.988 | 1.015 | 1.042 | 1.068 | 1.095 |       |       |
| 30                                       | 0.948 | 0.979 | 1.010 | 1.041 | 1.072 | 1.103 | 1.133 | 1.164 | 1.195 | 1.225 | 1.256 | 1.286 |       |
| 32                                       | 1.077 | 1.113 | 1.148 | 1.183 | 1.218 | 1.253 | 1.288 | 1.323 | 1.358 | 1.393 | 1.427 | 1.462 | 1.496 |
| 34                                       | 1.215 | 1.255 | 1.295 | 1.335 | 1.374 | 1.414 | 1.453 | 1.492 | 1.532 | 1.571 | 1.610 | 1.649 | 1.687 |
| 36                                       | 1.361 | 1.406 | 1.451 | 1.495 | 1.539 | 1.584 | 1.628 | 1.672 | 1.716 | 1.759 | 1.803 | 1.847 | 1.890 |
| 38                                       | 1.516 | 1.565 | 1.615 | 1.664 | 1.714 | 1.763 | 1.812 | 1.861 | 1.910 | 1.959 | 2.007 | 2.056 | 2.104 |
| 40                                       | 1.678 | 1.733 | 1.788 | 1.843 | 1.897 | 1.952 | 2.006 | 2.061 | 2.115 | 2.169 | 2.223 | 2.276 | 2.330 |

续表 34

| $\frac{H}{V}$<br>$D$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                   | 0.717 | 0.782 | 0.848 | 0.912 | 0.977 | 1.041 | 1.105 | 1.168 | 1.231 | 1.294 | 1.356 |
| 44                   | 0.786 | 0.858 | 0.930 | 1.001 | 1.071 | 1.142 | 1.211 | 1.281 | 1.350 | 1.419 | 1.488 |
| 46                   |       | 0.937 | 1.015 | 1.093 | 1.170 | 1.247 | 1.323 | 1.399 | 1.475 | 1.550 | 1.625 |
| 48                   |       | 1.020 | 1.105 | 1.189 | 1.273 | 1.357 | 1.440 | 1.522 | 1.605 | 1.687 | 1.768 |
| 50                   |       | 1.106 | 1.198 | 1.290 | 1.381 | 1.471 | 1.561 | 1.651 | 1.740 | 1.829 | 1.917 |
| 52                   |       |       | 1.295 | 1.394 | 1.493 | 1.590 | 1.688 | 1.785 | 1.881 | 1.977 | 2.073 |
| 54                   |       |       | 1.396 | 1.503 | 1.609 | 1.714 | 1.819 | 1.923 | 2.027 | 2.131 | 2.234 |
| 56                   |       |       |       | 1.615 | 1.729 | 1.843 | 1.955 | 2.067 | 2.179 | 2.290 | 2.401 |
| 58                   |       |       |       | 1.732 | 1.854 | 1.975 | 2.096 | 2.217 | 2.336 | 2.456 | 2.574 |
| 60                   |       |       |       |       | 1.983 | 2.113 | 2.242 | 2.371 | 2.499 | 2.627 | 2.753 |
| 62                   |       |       |       |       | 2.116 | 2.255 | 2.393 | 2.530 | 2.667 | 2.803 | 2.939 |
| 64                   |       |       |       |       | 2.254 | 2.402 | 2.549 | 2.695 | 2.841 | 2.986 | 3.130 |
| 66                   |       |       |       |       |       | 2.553 | 2.709 | 2.865 | 3.020 | 3.174 | 3.327 |
| 68                   |       |       |       |       |       | 2.709 | 2.875 | 3.040 | 3.204 | 3.367 | 3.530 |
| 70                   |       |       |       |       |       |       | 3.045 | 3.220 | 3.394 | 3.567 | 3.739 |
| 72                   |       |       |       |       |       |       | 3.220 | 3.405 | 3.589 | 3.772 | 3.954 |
| 74                   |       |       |       |       |       |       | 3.400 | 3.595 | 3.790 | 3.983 | 4.175 |
| 76                   |       |       |       |       |       |       |       | 3.791 | 3.996 | 4.199 | 4.402 |

续表 34

| $V \begin{matrix} H \\ D \end{matrix}$ | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                     | 1.419 | 1.481 | 1.543 | 1.604 | 1.666 | 1.727 | 1.788 | 1.849 | 1.909 | 1.970 | 2.030 |
| 44                                     | 1.556 | 1.624 | 1.692 | 1.759 | 1.827 | 1.894 | 1.961 | 2.028 | 2.094 | 2.160 | 2.227 |
| 46                                     | 1.699 | 1.774 | 1.848 | 1.922 | 1.995 | 2.069 | 2.142 | 2.215 | 2.287 | 2.360 | 2.432 |
| 48                                     | 1.849 | 1.930 | 2.011 | 2.091 | 2.171 | 2.251 | 2.331 | 2.410 | 2.489 | 2.568 | 2.646 |
| 50                                     | 2.005 | 2.093 | 2.180 | 2.268 | 2.354 | 2.441 | 2.527 | 2.613 | 2.699 | 2.785 | 2.870 |
| 52                                     | 2.168 | 2.263 | 2.357 | 2.451 | 2.545 | 2.639 | 2.732 | 2.825 | 2.918 | 3.010 | 3.102 |
| 54                                     | 2.336 | 2.439 | 2.540 | 2.642 | 2.743 | 2.844 | 2.944 | 3.045 | 3.145 | 3.244 | 3.344 |
| 56                                     | 2.511 | 2.621 | 2.731 | 2.840 | 2.948 | 3.057 | 3.165 | 3.273 | 3.380 | 3.487 | 3.594 |
| 58                                     | 2.693 | 2.810 | 2.928 | 3.045 | 3.161 | 3.277 | 3.393 | 3.509 | 3.624 | 3.739 | 3.853 |
| 60                                     | 2.880 | 3.006 | 3.131 | 3.257 | 3.381 | 3.506 | 3.629 | 3.753 | 3.876 | 3.999 | 4.122 |
| 62                                     | 3.074 | 3.208 | 3.342 | 3.476 | 3.609 | 3.741 | 3.874 | 4.005 | 4.137 | 4.268 | 4.399 |
| 64                                     | 3.274 | 3.417 | 3.560 | 3.702 | 3.843 | 3.985 | 4.126 | 4.266 | 4.406 | 4.546 | 4.685 |
| 66                                     | 3.480 | 3.632 | 3.784 | 3.935 | 4.086 | 4.236 | 4.385 | 4.535 | 4.684 | 4.832 | 4.980 |
| 68                                     | 3.692 | 3.854 | 4.015 | 4.175 | 4.335 | 4.494 | 4.653 | 4.812 | 4.969 | 5.127 | 5.284 |
| 70                                     | 3.911 | 4.082 | 4.253 | 4.422 | 4.592 | 4.761 | 4.929 | 5.097 | 5.264 | 5.431 | 5.597 |
| 72                                     | 4.136 | 4.317 | 4.497 | 4.677 | 4.856 | 5.034 | 5.212 | 5.390 | 5.567 | 5.743 | 5.919 |
| 74                                     | 4.367 | 4.558 | 4.749 | 4.938 | 5.127 | 5.316 | 5.504 | 5.691 | 5.878 | 6.064 | 6.250 |
| 76                                     | 4.605 | 4.806 | 5.007 | 5.207 | 5.406 | 5.605 | 5.803 | 6.000 | 6.197 | 6.394 | 6.590 |

续表 34

| $V \backslash D$ | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |  |  |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 42               | 2.090 | 2.150 | 2.210 | 2.270 | 2.330 | 2.389 | 2.449 | 2.508 | 2.567 |  |  |
| 44               | 2.293 | 2.359 | 2.424 | 2.490 | 2.555 | 2.620 | 2.686 | 2.751 | 2.815 |  |  |
| 46               | 2.504 | 2.576 | 2.648 | 2.719 | 2.791 | 2.862 | 2.933 | 3.004 | 3.075 |  |  |
| 48               | 2.725 | 2.803 | 2.881 | 2.959 | 3.037 | 3.115 | 3.192 | 3.269 | 3.346 |  |  |
| 50               | 2.955 | 3.040 | 3.125 | 3.209 | 3.293 | 3.377 | 3.461 | 3.545 | 3.629 |  |  |
| 52               | 3.194 | 3.286 | 3.378 | 3.469 | 3.560 | 3.651 | 3.742 | 3.832 | 3.922 |  |  |
| 54               | 3.443 | 3.542 | 3.640 | 3.739 | 3.837 | 3.935 | 4.033 | 4.130 | 4.228 |  |  |
| 56               | 3.701 | 3.807 | 3.913 | 4.019 | 4.124 | 4.230 | 4.335 | 4.440 | 4.544 |  |  |
| 58               | 3.968 | 4.081 | 4.195 | 4.309 | 4.422 | 4.535 | 4.647 | 4.760 | 4.872 |  |  |
| 60               | 4.244 | 4.366 | 4.487 | 4.609 | 4.730 | 4.850 | 4.971 | 5.091 | 5.211 |  |  |
| 62               | 4.529 | 4.659 | 4.789 | 4.919 | 5.048 | 5.177 | 5.305 | 5.434 | 5.562 |  |  |
| 64               | 4.824 | 4.962 | 5.101 | 5.239 | 5.376 | 5.513 | 5.650 | 5.787 | 5.924 |  |  |
| 66               | 5.128 | 5.275 | 5.422 | 5.568 | 5.715 | 5.861 | 6.006 | 6.152 | 6.297 |  |  |
| 68               | 5.441 | 5.597 | 5.753 | 5.908 | 6.064 | 6.219 | 6.373 | 6.527 | 6.681 |  |  |
| 70               | 5.763 | 5.929 | 6.094 | 6.258 | 6.423 | 6.587 | 6.751 | 6.914 | 7.077 |  |  |
| 72               | 6.095 | 6.270 | 6.444 | 6.618 | 6.792 | 6.966 | 7.139 | 7.312 | 7.484 |  |  |
| 74               | 6.435 | 6.620 | 6.804 | 6.988 | 7.172 | 7.355 | 7.538 | 7.720 | 7.902 |  |  |
| 76               | 6.785 | 6.980 | 7.174 | 7.368 | 7.562 | 7.755 | 7.948 | 8.140 | 8.332 |  |  |



## 三十六、高山松二元立木材积表

$$V = 0.000061238922 D^{2.0023969} H^{0.85927542}$$

表35

| $V$<br>$D \backslash H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |
| 4                       | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 |       |       |       |
| 6                       | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.017 | 0.019 | 0.020 | 0.021 |
| 8                       | 0.007 | 0.010 | 0.013 | 0.016 | 0.018 | 0.021 | 0.024 | 0.026 | 0.028 | 0.031 | 0.033 | 0.036 | 0.038 |
| 10                      |       | 0.016 | 0.020 | 0.025 | 0.029 | 0.033 | 0.037 | 0.041 | 0.045 | 0.048 | 0.052 | 0.056 | 0.059 |
| 12                      |       | 0.023 | 0.029 | 0.035 | 0.041 | 0.047 | 0.053 | 0.059 | 0.064 | 0.070 | 0.075 | 0.080 | 0.086 |
| 14                      |       |       | 0.040 | 0.048 | 0.056 | 0.064 | 0.072 | 0.080 | 0.087 | 0.095 | 0.102 | 0.109 | 0.117 |
| 16                      |       |       | 0.052 | 0.063 | 0.074 | 0.084 | 0.094 | 0.104 | 0.114 | 0.124 | 0.133 | 0.143 | 0.152 |
| 18                      |       |       |       | 0.080 | 0.093 | 0.106 | 0.119 | 0.132 | 0.144 | 0.157 | 0.169 | 0.181 | 0.193 |
| 20                      |       |       |       | 0.098 | 0.115 | 0.131 | 0.147 | 0.163 | 0.178 | 0.194 | 0.209 | 0.224 | 0.238 |
| 22                      |       |       |       | 0.119 | 0.139 | 0.159 | 0.178 | 0.197 | 0.216 | 0.234 | 0.253 | 0.271 | 0.288 |
| 24                      |       |       |       |       | 0.166 | 0.189 | 0.212 | 0.235 | 0.257 | 0.279 | 0.301 | 0.322 | 0.343 |
| 26                      |       |       |       |       | 0.195 | 0.222 | 0.249 | 0.276 | 0.302 | 0.327 | 0.353 | 0.378 | 0.403 |
| 28                      |       |       |       |       | 0.226 | 0.258 | 0.289 | 0.320 | 0.350 | 0.380 | 0.409 | 0.439 | 0.467 |
| 30                      |       |       |       |       |       | 0.296 | 0.332 | 0.367 | 0.402 | 0.436 | 0.470 | 0.503 | 0.537 |
| 32                      |       |       |       |       |       | 0.337 | 0.378 | 0.418 | 0.457 | 0.496 | 0.535 | 0.573 | 0.611 |
| 34                      |       |       |       |       |       |       | 0.426 | 0.472 | 0.516 | 0.560 | 0.604 | 0.647 | 0.689 |
| 36                      |       |       |       |       |       |       | 0.478 | 0.529 | 0.579 | 0.628 | 0.677 | 0.725 | 0.773 |
| 38                      |       |       |       |       |       |       |       | 0.589 | 0.645 | 0.700 | 0.755 | 0.808 | 0.861 |
| 40                      |       |       |       |       |       |       |       | 0.653 | 0.715 | 0.776 | 0.836 | 0.896 | 0.955 |

续表 35

| $\begin{array}{c} H \\ V \\ D \end{array}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                          | 0.040 | 0.043 | 0.045 |       |       |       |       |       |       |       |       |       |       |
| 10                                         | 0.063 | 0.067 | 0.070 | 0.074 | 0.077 | 0.081 |       |       |       |       |       |       |       |
| 12                                         | 0.091 | 0.096 | 0.101 | 0.106 | 0.111 | 0.116 | 0.121 | 0.126 | 0.131 |       |       |       |       |
| 14                                         | 0.124 | 0.131 | 0.138 | 0.145 | 0.152 | 0.158 | 0.165 | 0.172 | 0.179 | 0.185 | 0.192 | 0.199 |       |
| 16                                         | 0.162 | 0.171 | 0.180 | 0.189 | 0.198 | 0.207 | 0.216 | 0.225 | 0.233 | 0.242 | 0.251 | 0.259 | 0.268 |
| 18                                         | 0.205 | 0.216 | 0.228 | 0.239 | 0.251 | 0.262 | 0.273 | 0.285 | 0.296 | 0.307 | 0.318 | 0.328 | 0.339 |
| 20                                         | 0.253 | 0.267 | 0.282 | 0.296 | 0.310 | 0.324 | 0.338 | 0.351 | 0.365 | 0.379 | 0.392 | 0.406 | 0.419 |
| 22                                         | 0.306 | 0.323 | 0.341 | 0.358 | 0.375 | 0.392 | 0.409 | 0.425 | 0.442 | 0.458 | 0.475 | 0.491 | 0.507 |
| 24                                         | 0.364 | 0.385 | 0.406 | 0.426 | 0.446 | 0.466 | 0.486 | 0.506 | 0.526 | 0.545 | 0.565 | 0.584 | 0.604 |
| 26                                         | 0.428 | 0.452 | 0.476 | 0.500 | 0.524 | 0.547 | 0.571 | 0.594 | 0.617 | 0.640 | 0.663 | 0.686 | 0.708 |
| 28                                         | 0.496 | 0.524 | 0.552 | 0.580 | 0.608 | 0.635 | 0.662 | 0.689 | 0.716 | 0.743 | 0.769 | 0.796 | 0.822 |
| 30                                         | 0.569 | 0.602 | 0.634 | 0.666 | 0.698 | 0.729 | 0.760 | 0.791 | 0.822 | 0.853 | 0.883 | 0.913 | 0.944 |
| 32                                         | 0.648 | 0.685 | 0.721 | 0.758 | 0.794 | 0.830 | 0.865 | 0.900 | 0.935 | 0.970 | 1.005 | 1.039 | 1.074 |
| 34                                         | 0.732 | 0.773 | 0.815 | 0.856 | 0.896 | 0.937 | 0.977 | 1.017 | 1.056 | 1.096 | 1.135 | 1.174 | 1.212 |
| 36                                         | 0.820 | 0.867 | 0.913 | 0.959 | 1.005 | 1.050 | 1.095 | 1.140 | 1.184 | 1.228 | 1.272 | 1.316 | 1.359 |
| 38                                         | 0.914 | 0.966 | 1.018 | 1.069 | 1.120 | 1.170 | 1.220 | 1.270 | 1.320 | 1.369 | 1.418 | 1.466 | 1.515 |
| 40                                         | 1.013 | 1.071 | 1.128 | 1.185 | 1.241 | 1.297 | 1.353 | 1.408 | 1.462 | 1.517 | 1.571 | 1.625 | 1.679 |

续表35

| $\begin{matrix} V & H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                       | 0.276 | 0.285 |       |       |       |       |       |       |       |       |       |       |       |
| 18                                       | 0.350 | 0.361 | 0.371 | 0.382 | 0.393 |       |       |       |       |       |       |       |       |
| 20                                       | 0.432 | 0.445 | 0.459 | 0.472 | 0.485 | 0.498 | 0.511 | 0.524 |       |       |       |       |       |
| 22                                       | 0.523 | 0.539 | 0.555 | 0.571 | 0.587 | 0.602 | 0.618 | 0.634 | 0.649 | 0.665 | 0.680 |       |       |
| 24                                       | 0.623 | 0.642 | 0.661 | 0.680 | 0.698 | 0.717 | 0.736 | 0.754 | 0.773 | 0.791 | 0.810 | 0.828 | 0.846 |
| 26                                       | 0.731 | 0.753 | 0.776 | 0.798 | 0.820 | 0.842 | 0.864 | 0.885 | 0.907 | 0.929 | 0.950 | 0.972 | 0.993 |
| 28                                       | 0.848 | 0.874 | 0.900 | 0.925 | 0.951 | 0.976 | 1.002 | 1.027 | 1.052 | 1.077 | 1.102 | 1.127 | 1.152 |
| 30                                       | 0.973 | 1.003 | 1.033 | 1.062 | 1.092 | 1.121 | 1.150 | 1.179 | 1.208 | 1.237 | 1.266 | 1.294 | 1.323 |
| 32                                       | 1.108 | 1.142 | 1.175 | 1.209 | 1.242 | 1.276 | 1.309 | 1.342 | 1.375 | 1.408 | 1.440 | 1.473 | 1.505 |
| 34                                       | 1.251 | 1.289 | 1.327 | 1.365 | 1.403 | 1.440 | 1.478 | 1.515 | 1.552 | 1.589 | 1.626 | 1.663 | 1.699 |
| 36                                       | 1.402 | 1.445 | 1.488 | 1.531 | 1.573 | 1.615 | 1.657 | 1.699 | 1.740 | 1.782 | 1.823 | 1.864 | 1.905 |
| 38                                       | 1.563 | 1.611 | 1.658 | 1.706 | 1.753 | 1.800 | 1.846 | 1.893 | 1.939 | 1.986 | 2.032 | 2.078 | 2.123 |
| 40                                       | 1.732 | 1.785 | 1.838 | 1.890 | 1.942 | 1.994 | 2.046 | 2.098 | 2.149 | 2.200 | 2.251 | 2.302 | 2.353 |

续表 35

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.720 | 0.788 | 0.856 | 0.922 | 0.988 | 1.053 | 1.117 | 1.181 | 1.244 | 1.306 | 1.368 |
| 44                                        |       | 0.865 | 0.939 | 1.012 | 1.084 | 1.155 | 1.226 | 1.296 | 1.365 | 1.434 | 1.502 |
| 46                                        |       | 0.946 | 1.027 | 1.106 | 1.185 | 1.263 | 1.340 | 1.416 | 1.492 | 1.567 | 1.642 |
| 48                                        |       |       | 1.118 | 1.205 | 1.290 | 1.375 | 1.459 | 1.542 | 1.625 | 1.707 | 1.788 |
| 50                                        |       |       | 1.213 | 1.307 | 1.400 | 1.492 | 1.584 | 1.674 | 1.763 | 1.852 | 1.940 |
| 52                                        |       |       |       | 1.414 | 1.515 | 1.614 | 1.713 | 1.811 | 1.907 | 2.003 | 2.099 |
| 54                                        |       |       |       | 1.525 | 1.634 | 1.741 | 1.847 | 1.953 | 2.057 | 2.161 | 2.263 |
| 56                                        |       |       |       |       | 1.757 | 1.873 | 1.987 | 2.100 | 2.213 | 2.324 | 2.434 |
| 58                                        |       |       |       |       | 1.885 | 2.009 | 2.132 | 2.253 | 2.374 | 2.493 | 2.612 |
| 60                                        |       |       |       |       |       | 2.150 | 2.281 | 2.411 | 2.540 | 2.668 | 2.795 |
| 62                                        |       |       |       |       |       | 2.296 | 2.436 | 2.575 | 2.713 | 2.849 | 2.985 |
| 64                                        |       |       |       |       |       |       | 2.596 | 2.744 | 2.891 | 3.036 | 3.181 |
| 66                                        |       |       |       |       |       |       | 2.761 | 2.918 | 3.074 | 3.229 | 3.383 |
| 68                                        |       |       |       |       |       |       |       | 3.098 | 3.264 | 3.428 | 3.591 |
| 70                                        |       |       |       |       |       |       |       | 3.283 | 3.459 | 3.633 | 3.806 |
| 72                                        |       |       |       |       |       |       |       |       | 3.660 | 3.844 | 4.027 |
| 74                                        |       |       |       |       |       |       |       |       | 3.866 | 4.061 | 4.254 |
| 76                                        |       |       |       |       |       |       |       |       |       | 4.283 | 4.487 |
| 78                                        |       |       |       |       |       |       |       |       |       | 4.512 | 4.727 |
| 80                                        |       |       |       |       |       |       |       |       |       | 4.747 | 4.972 |

续表 35

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.430 | 1.491 | 1.552 | 1.613 | 1.673 | 1.732 | 1.792 | 1.851 | 1.910 | 1.968 | 2.026 |
| 44                                        | 1.570 | 1.637 | 1.704 | 1.770 | 1.836 | 1.901 | 1.967 | 2.031 | 2.096 | 2.160 | 2.224 |
| 46                                        | 1.716 | 1.789 | 1.862 | 1.935 | 2.007 | 2.078 | 2.150 | 2.221 | 2.291 | 2.361 | 2.431 |
| 48                                        | 1.868 | 1.948 | 2.028 | 2.107 | 2.185 | 2.263 | 2.341 | 2.418 | 2.495 | 2.571 | 2.647 |
| 50                                        | 2.028 | 2.114 | 2.201 | 2.286 | 2.371 | 2.456 | 2.540 | 2.624 | 2.707 | 2.790 | 2.873 |
| 52                                        | 2.193 | 2.287 | 2.380 | 2.473 | 2.565 | 2.657 | 2.748 | 2.838 | 2.929 | 3.018 | 3.107 |
| 54                                        | 2.365 | 2.467 | 2.567 | 2.667 | 2.767 | 2.865 | 2.964 | 3.061 | 3.158 | 3.255 | 3.351 |
| 56                                        | 2.544 | 2.653 | 2.761 | 2.869 | 2.976 | 3.082 | 3.187 | 3.293 | 3.397 | 3.501 | 3.605 |
| 58                                        | 2.729 | 2.846 | 2.962 | 3.078 | 3.192 | 3.306 | 3.419 | 3.532 | 3.644 | 3.756 | 3.867 |
| 60                                        | 2.921 | 3.046 | 3.170 | 3.294 | 3.416 | 3.538 | 3.660 | 3.780 | 3.900 | 4.020 | 4.139 |
| 62                                        | 3.119 | 3.253 | 3.385 | 3.517 | 3.648 | 3.779 | 3.908 | 4.037 | 4.165 | 4.292 | 4.419 |
| 64                                        | 3.324 | 3.466 | 3.608 | 3.748 | 3.888 | 4.027 | 4.165 | 4.302 | 4.438 | 4.574 | 4.709 |
| 66                                        | 3.535 | 3.687 | 3.837 | 3.986 | 4.135 | 4.282 | 4.429 | 4.575 | 4.720 | 4.865 | 5.009 |
| 68                                        | 3.753 | 3.914 | 4.073 | 4.232 | 4.390 | 4.546 | 4.702 | 4.857 | 5.011 | 5.165 | 5.317 |
| 70                                        | 3.977 | 4.148 | 4.317 | 4.485 | 4.652 | 4.818 | 4.983 | 5.147 | 5.311 | 5.473 | 5.635 |
| 72                                        | 4.208 | 4.388 | 4.567 | 4.745 | 4.922 | 5.098 | 5.272 | 5.446 | 5.619 | 5.791 | 5.962 |
| 74                                        | 4.445 | 4.636 | 4.825 | 5.013 | 5.199 | 5.385 | 5.570 | 5.753 | 5.936 | 6.118 | 6.298 |
| 76                                        | 4.689 | 4.890 | 5.089 | 5.288 | 5.485 | 5.680 | 5.875 | 6.069 | 6.261 | 6.453 | 6.644 |
| 78                                        | 4.940 | 5.151 | 5.361 | 5.570 | 5.777 | 5.984 | 6.189 | 6.393 | 6.596 | 6.798 | 6.999 |
| 80                                        | 5.197 | 5.419 | 5.640 | 5.860 | 6.078 | 6.295 | 6.511 | 6.725 | 6.939 | 7.151 | 7.362 |

续表 35

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 2.084 | 2.142 | 2.199 | 2.256 | 2.313 | 2.370 | 2.426 | 2.482 | 2.539 | 2.594 |
| 44                                        | 2.288 | 2.351 | 2.414 | 2.476 | 2.539 | 2.601 | 2.663 | 2.725 | 2.786 | 2.848 |
| 46                                        | 2.500 | 2.570 | 2.638 | 2.707 | 2.775 | 2.843 | 2.911 | 2.979 | 3.046 | 3.113 |
| 48                                        | 2.723 | 2.798 | 2.873 | 2.948 | 3.022 | 3.096 | 3.170 | 3.243 | 3.317 | 3.390 |
| 50                                        | 2.955 | 3.037 | 3.118 | 3.199 | 3.280 | 3.360 | 3.440 | 3.520 | 3.599 | 3.678 |
| 52                                        | 3.196 | 3.285 | 3.373 | 3.460 | 3.548 | 3.634 | 3.721 | 3.807 | 3.893 | 3.979 |
| 54                                        | 3.447 | 3.542 | 3.637 | 3.732 | 3.826 | 3.920 | 4.013 | 4.106 | 4.199 | 4.291 |
| 56                                        | 3.708 | 3.810 | 3.912 | 4.014 | 4.115 | 4.216 | 4.316 | 4.416 | 4.516 | 4.615 |
| 58                                        | 3.977 | 4.087 | 4.197 | 4.306 | 4.415 | 4.523 | 4.630 | 4.738 | 4.845 | 4.951 |
| 60                                        | 4.257 | 4.375 | 4.492 | 4.608 | 4.725 | 4.840 | 4.956 | 5.071 | 5.185 | 5.299 |
| 62                                        | 4.546 | 4.671 | 4.797 | 4.921 | 5.045 | 5.169 | 5.292 | 5.415 | 5.537 | 5.659 |
| 64                                        | 4.844 | 4.978 | 5.111 | 5.244 | 5.376 | 5.508 | 5.639 | 5.770 | 5.900 | 6.030 |
| 66                                        | 5.152 | 5.294 | 5.436 | 5.577 | 5.718 | 5.858 | 5.998 | 6.137 | 6.275 | 6.413 |
| 68                                        | 5.469 | 5.621 | 5.771 | 5.921 | 6.070 | 6.219 | 6.367 | 6.515 | 6.662 | 6.808 |
| 70                                        | 5.796 | 5.956 | 6.116 | 6.275 | 6.433 | 6.591 | 6.748 | 6.904 | 7.060 | 7.215 |
| 72                                        | 6.132 | 6.302 | 6.471 | 6.639 | 6.807 | 6.973 | 7.139 | 7.305 | 7.470 | 7.634 |
| 74                                        | 6.478 | 6.657 | 6.836 | 7.013 | 7.190 | 7.367 | 7.542 | 7.717 | 7.891 | 8.065 |
| 76                                        | 6.834 | 7.023 | 7.211 | 7.398 | 7.585 | 7.771 | 7.956 | 8.140 | 8.324 | 8.507 |
| 78                                        | 7.199 | 7.398 | 7.596 | 7.793 | 7.990 | 8.185 | 8.380 | 8.575 | 8.768 | 8.961 |
| 80                                        | 7.573 | 7.782 | 7.991 | 8.198 | 8.405 | 8.611 | 8.816 | 9.021 | 9.224 | 9.427 |

## 三十七、西南地区柏、杉类二元立木材积表

$$V = 0.000057173591 D^{1.8813805} H^{0.99588845}$$

表36

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |
| 4                                         | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 |       |       |
| 6                                         | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.020 | 0.021 | 0.023 |
| 8                                         | 0.006 | 0.009 | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.025 | 0.028 | 0.031 | 0.034 | 0.037 | 0.040 |
| 10                                        |       | 0.013 | 0.017 | 0.022 | 0.026 | 0.030 | 0.034 | 0.039 | 0.043 | 0.047 | 0.052 | 0.056 | 0.060 |
| 12                                        |       | 0.018 | 0.024 | 0.030 | 0.036 | 0.043 | 0.049 | 0.055 | 0.061 | 0.067 | 0.073 | 0.079 | 0.085 |
| 14                                        |       |       | 0.033 | 0.041 | 0.049 | 0.057 | 0.065 | 0.073 | 0.081 | 0.089 | 0.097 | 0.105 | 0.113 |
| 16                                        |       |       | 0.042 | 0.052 | 0.063 | 0.073 | 0.084 | 0.094 | 0.104 | 0.115 | 0.125 | 0.135 | 0.146 |
| 18                                        |       |       |       | 0.065 | 0.078 | 0.091 | 0.104 | 0.117 | 0.130 | 0.143 | 0.156 | 0.169 | 0.182 |
| 20                                        |       |       |       | 0.080 | 0.095 | 0.111 | 0.127 | 0.143 | 0.159 | 0.174 | 0.190 | 0.206 | 0.222 |
| 22                                        |       |       |       |       | 0.114 | 0.133 | 0.152 | 0.171 | 0.190 | 0.209 | 0.228 | 0.247 | 0.265 |
| 24                                        |       |       |       |       | 0.134 | 0.157 | 0.179 | 0.201 | 0.224 | 0.246 | 0.268 | 0.290 | 0.313 |
| 26                                        |       |       |       |       |       | 0.183 | 0.208 | 0.234 | 0.260 | 0.286 | 0.312 | 0.338 | 0.363 |
| 28                                        |       |       |       |       |       | 0.210 | 0.239 | 0.269 | 0.299 | 0.329 | 0.358 | 0.388 | 0.418 |
| 30                                        |       |       |       |       |       |       | 0.272 | 0.306 | 0.340 | 0.374 | 0.408 | 0.442 | 0.476 |
| 32                                        |       |       |       |       |       |       | 0.308 | 0.346 | 0.384 | 0.422 | 0.461 | 0.499 | 0.537 |
| 34                                        |       |       |       |       |       |       |       | 0.388 | 0.431 | 0.473 | 0.516 | 0.559 | 0.602 |
| 36                                        |       |       |       |       |       |       |       | 0.432 | 0.480 | 0.527 | 0.575 | 0.623 | 0.670 |
| 38                                        |       |       |       |       |       |       |       |       | 0.531 | 0.584 | 0.637 | 0.689 | 0.742 |
| 40                                        |       |       |       |       |       |       |       |       | 0.585 | 0.643 | 0.701 | 0.759 | 0.817 |

续表 36

| $\begin{array}{c} H \\ V \\ D \end{array}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                          | 0.025 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                          | 0.042 | 0.045 | 0.048 | 0.051 |       |       |       |       |       |       |       |       |       |
| 10                                         | 0.064 | 0.069 | 0.073 | 0.077 | 0.082 | 0.086 |       |       |       |       |       |       |       |
| 12                                         | 0.091 | 0.097 | 0.103 | 0.109 | 0.115 | 0.121 | 0.127 | 0.133 |       |       |       |       |       |
| 14                                         | 0.121 | 0.130 | 0.138 | 0.146 | 0.154 | 0.162 | 0.170 | 0.178 | 0.186 | 0.194 |       |       |       |
| 16                                         | 0.156 | 0.167 | 0.177 | 0.187 | 0.198 | 0.208 | 0.218 | 0.229 | 0.239 | 0.249 | 0.260 | 0.270 |       |
| 18                                         | 0.195 | 0.208 | 0.221 | 0.234 | 0.247 | 0.260 | 0.272 | 0.285 | 0.298 | 0.311 | 0.324 | 0.337 | 0.350 |
| 20                                         | 0.238 | 0.253 | 0.269 | 0.285 | 0.301 | 0.316 | 0.332 | 0.348 | 0.364 | 0.379 | 0.395 | 0.411 | 0.427 |
| 22                                         | 0.284 | 0.303 | 0.322 | 0.341 | 0.360 | 0.379 | 0.397 | 0.416 | 0.435 | 0.454 | 0.473 | 0.492 | 0.510 |
| 24                                         | 0.335 | 0.357 | 0.379 | 0.402 | 0.424 | 0.446 | 0.468 | 0.490 | 0.512 | 0.535 | 0.557 | 0.579 | 0.601 |
| 26                                         | 0.389 | 0.415 | 0.441 | 0.467 | 0.493 | 0.518 | 0.544 | 0.570 | 0.596 | 0.622 | 0.647 | 0.673 | 0.699 |
| 28                                         | 0.448 | 0.477 | 0.507 | 0.537 | 0.566 | 0.596 | 0.626 | 0.655 | 0.685 | 0.715 | 0.744 | 0.774 | 0.803 |
| 30                                         | 0.510 | 0.543 | 0.577 | 0.611 | 0.645 | 0.679 | 0.712 | 0.746 | 0.780 | 0.814 | 0.847 | 0.881 | 0.915 |
| 32                                         | 0.575 | 0.613 | 0.652 | 0.690 | 0.728 | 0.766 | 0.804 | 0.842 | 0.881 | 0.919 | 0.957 | 0.995 | 1.033 |
| 34                                         | 0.645 | 0.688 | 0.730 | 0.773 | 0.816 | 0.859 | 0.901 | 0.944 | 0.987 | 1.030 | 1.072 | 1.115 | 1.158 |
| 36                                         | 0.718 | 0.766 | 0.813 | 0.861 | 0.909 | 0.956 | 1.004 | 1.051 | 1.099 | 1.147 | 1.194 | 1.242 | 1.289 |
| 38                                         | 0.795 | 0.848 | 0.900 | 0.953 | 1.006 | 1.059 | 1.111 | 1.164 | 1.217 | 1.269 | 1.322 | 1.375 | 1.427 |
| 40                                         | 0.875 | 0.934 | 0.992 | 1.050 | 1.108 | 1.166 | 1.224 | 1.282 | 1.340 | 1.398 | 1.456 | 1.514 | 1.572 |



续表 36

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        | 0.363 |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        | 0.442 | 0.458 | 0.474 |       |       |       |       |       |       |       |       |       |       |
| 22                                        | 0.529 | 0.548 | 0.567 | 0.586 | 0.605 |       |       |       |       |       |       |       |       |
| 24                                        | 0.623 | 0.646 | 0.668 | 0.690 | 0.712 | 0.734 | 0.756 |       |       |       |       |       |       |
| 26                                        | 0.725 | 0.750 | 0.776 | 0.802 | 0.828 | 0.853 | 0.879 | 0.905 | 0.931 |       |       |       |       |
| 28                                        | 0.833 | 0.863 | 0.892 | 0.922 | 0.952 | 0.981 | 1.011 | 1.040 | 1.070 | 1.100 | 1.129 |       |       |
| 30                                        | 0.949 | 0.982 | 1.016 | 1.050 | 1.083 | 1.117 | 1.151 | 1.185 | 1.218 | 1.252 | 1.286 | 1.319 | 1.353 |
| 32                                        | 1.071 | 1.109 | 1.147 | 1.185 | 1.223 | 1.261 | 1.299 | 1.337 | 1.376 | 1.414 | 1.452 | 1.490 | 1.528 |
| 34                                        | 1.200 | 1.243 | 1.286 | 1.328 | 1.371 | 1.414 | 1.456 | 1.499 | 1.542 | 1.584 | 1.627 | 1.670 | 1.712 |
| 36                                        | 1.337 | 1.384 | 1.432 | 1.479 | 1.527 | 1.574 | 1.622 | 1.669 | 1.717 | 1.764 | 1.812 | 1.859 | 1.907 |
| 38                                        | 1.480 | 1.532 | 1.585 | 1.638 | 1.690 | 1.743 | 1.795 | 1.848 | 1.901 | 1.953 | 2.006 | 2.058 | 2.111 |
| 40                                        | 1.630 | 1.688 | 1.746 | 1.804 | 1.861 | 1.919 | 1.977 | 2.035 | 2.093 | 2.151 | 2.209 | 2.267 | 2.325 |

续表 36

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.832 | 0.896 | 0.960 | 1.023 | 1.087 | 1.151 | 1.214 | 1.278 | 1.341 | 1.405 | 1.469 | 1.532 | 1.596 | 1.659 |
| 44                                        | 0.908 | 0.978 | 1.047 | 1.117 | 1.186 | 1.256 | 1.325 | 1.395 | 1.464 | 1.534 | 1.603 | 1.672 | 1.742 | 1.811 |
| 46                                        | 0.987 | 1.063 | 1.139 | 1.214 | 1.290 | 1.365 | 1.441 | 1.516 | 1.592 | 1.667 | 1.743 | 1.818 | 1.894 | 1.969 |
| 48                                        | 1.070 | 1.152 | 1.234 | 1.316 | 1.397 | 1.479 | 1.561 | 1.643 | 1.725 | 1.806 | 1.888 | 1.970 | 2.052 | 2.133 |
| 50                                        | 1.155 | 1.244 | 1.332 | 1.421 | 1.509 | 1.597 | 1.686 | 1.774 | 1.862 | 1.951 | 2.039 | 2.127 | 2.215 | 2.304 |
| 52                                        |       | 1.339 | 1.434 | 1.529 | 1.624 | 1.720 | 1.815 | 1.910 | 2.005 | 2.100 | 2.195 | 2.290 | 2.385 | 2.480 |
| 54                                        |       |       | 1.540 | 1.642 | 1.744 | 1.846 | 1.948 | 2.050 | 2.152 | 2.254 | 2.356 | 2.458 | 2.560 | 2.662 |
| 56                                        |       |       |       | 1.758 | 1.867 | 1.977 | 2.086 | 2.196 | 2.305 | 2.414 | 2.523 | 2.633 | 2.742 | 2.851 |
| 58                                        |       |       |       |       | 1.995 | 2.112 | 2.229 | 2.345 | 2.462 | 2.579 | 2.696 | 2.812 | 2.929 | 3.046 |
| 60                                        |       |       |       |       |       | 2.251 | 2.375 | 2.500 | 2.624 | 2.749 | 2.873 | 2.997 | 3.122 | 3.246 |
| 62                                        |       |       |       |       |       |       | 2.526 | 2.659 | 2.791 | 2.924 | 3.056 | 3.188 | 3.320 | 3.453 |
| 64                                        |       |       |       |       |       |       |       | 2.823 | 2.963 | 3.103 | 3.244 | 3.384 | 3.525 | 3.665 |
| 66                                        |       |       |       |       |       |       |       |       | 3.140 | 3.288 | 3.437 | 3.586 | 3.735 | 3.884 |
| 68                                        |       |       |       |       |       |       |       |       |       | 3.478 | 3.636 | 3.793 | 3.951 | 4.108 |
| 70                                        |       |       |       |       |       |       |       |       |       |       | 3.840 | 4.006 | 4.172 | 4.338 |
| 72                                        |       |       |       |       |       |       |       |       |       |       |       | 4.224 | 4.399 | 4.574 |
| 74                                        |       |       |       |       |       |       |       |       |       |       |       |       | 4.632 | 4.816 |
| 76                                        |       |       |       |       |       |       |       |       |       |       |       |       | 4.870 | 5.064 |
| 78                                        |       |       |       |       |       |       |       |       |       |       |       |       | 5.114 | 5.318 |
| 80                                        |       |       |       |       |       |       |       |       |       |       |       |       | 5.364 | 5.577 |

续表 36

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.723 | 1.786 | 1.850 | 1.913 | 1.977 | 2.040 | 2.104 | 2.167 | 2.231 | 2.294 | 2.358 | 2.421 | 2.485 | 2.548 |
| 44                                        | 1.880 | 1.950 | 2.019 | 2.088 | 2.158 | 2.227 | 2.296 | 2.366 | 2.435 | 2.504 | 2.573 | 2.643 | 2.712 | 2.781 |
| 46                                        | 2.044 | 2.120 | 2.195 | 2.271 | 2.346 | 2.421 | 2.497 | 2.572 | 2.647 | 2.723 | 2.798 | 2.873 | 2.948 | 3.024 |
| 48                                        | 2.215 | 2.297 | 2.378 | 2.460 | 2.542 | 2.623 | 2.705 | 2.786 | 2.868 | 2.950 | 3.031 | 3.113 | 3.194 | 3.276 |
| 50                                        | 2.392 | 2.480 | 2.568 | 2.656 | 2.744 | 2.833 | 2.921 | 3.009 | 3.097 | 3.185 | 3.273 | 3.361 | 3.449 | 3.537 |
| 52                                        | 2.575 | 2.670 | 2.765 | 2.860 | 2.955 | 3.049 | 3.144 | 3.239 | 3.334 | 3.429 | 3.524 | 3.619 | 3.713 | 3.808 |
| 54                                        | 2.764 | 2.866 | 2.968 | 3.070 | 3.172 | 3.274 | 3.376 | 3.478 | 3.579 | 3.681 | 3.783 | 3.885 | 3.987 | 4.088 |
| 56                                        | 2.960 | 3.069 | 3.178 | 3.288 | 3.397 | 3.506 | 3.615 | 3.724 | 3.833 | 3.942 | 4.051 | 4.160 | 4.269 | 4.378 |
| 58                                        | 3.162 | 3.279 | 3.395 | 3.512 | 3.628 | 3.745 | 3.861 | 3.978 | 4.094 | 4.211 | 4.327 | 4.444 | 4.560 | 4.677 |
| 60                                        | 3.370 | 3.495 | 3.619 | 3.743 | 3.867 | 3.992 | 4.116 | 4.240 | 4.364 | 4.488 | 4.612 | 4.737 | 4.861 | 4.985 |
| 62                                        | 3.585 | 3.717 | 3.849 | 3.981 | 4.113 | 4.246 | 4.378 | 4.510 | 4.642 | 4.774 | 4.906 | 5.038 | 5.170 | 5.302 |
| 64                                        | 3.805 | 3.946 | 4.086 | 4.226 | 4.367 | 4.507 | 4.647 | 4.787 | 4.928 | 5.068 | 5.208 | 5.348 | 5.488 | 5.628 |
| 66                                        | 4.032 | 4.181 | 4.330 | 4.478 | 4.627 | 4.776 | 4.924 | 5.073 | 5.221 | 5.370 | 5.518 | 5.667 | 5.815 | 5.964 |
| 68                                        | 4.265 | 4.423 | 4.580 | 4.737 | 4.894 | 5.051 | 5.209 | 5.366 | 5.523 | 5.680 | 5.837 | 5.994 | 6.151 | 6.308 |
| 70                                        | 4.504 | 4.670 | 4.836 | 5.003 | 5.169 | 5.335 | 5.500 | 5.666 | 5.832 | 5.998 | 6.164 | 6.330 | 6.496 | 6.662 |
| 72                                        | 4.749 | 4.925 | 5.100 | 5.275 | 5.450 | 5.625 | 5.800 | 5.975 | 6.150 | 6.325 | 6.500 | 6.675 | 6.849 | 7.024 |
| 74                                        | 5.001 | 5.185 | 5.369 | 5.554 | 5.738 | 5.922 | 6.107 | 6.291 | 6.475 | 6.659 | 6.844 | 7.028 | 7.212 | 7.396 |
| 76                                        | 5.258 | 5.452 | 5.646 | 5.840 | 6.033 | 6.227 | 6.421 | 6.615 | 6.808 | 7.002 | 7.196 | 7.389 | 7.583 | 7.776 |
| 78                                        | 5.521 | 5.725 | 5.928 | 6.132 | 6.336 | 6.539 | 6.742 | 6.946 | 7.149 | 7.353 | 7.556 | 7.759 | 7.963 | 8.166 |
| 80                                        | 5.791 | 6.004 | 6.218 | 6.431 | 6.645 | 6.858 | 7.071 | 7.285 | 7.498 | 7.711 | 7.925 | 8.138 | 8.351 | 8.564 |

## 三十八、西南地区桦木二元立木材积表

$$V = 0.000048941911 D^{2.0172708} H^{0.88580889}$$

表 37

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |
| 4                                         | 0.001 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 |       |
| 6                                         | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.010 | 0.011 | 0.013 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.020 |
| 8                                         | 0.006 | 0.009 | 0.011 | 0.014 | 0.016 | 0.018 | 0.020 | 0.023 | 0.025 | 0.027 | 0.029 | 0.031 | 0.034 | 0.036 |
| 10                                        | 0.009 | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.032 | 0.036 | 0.039 | 0.043 | 0.046 | 0.049 | 0.053 | 0.056 |
| 12                                        |       | 0.019 | 0.025 | 0.031 | 0.036 | 0.041 | 0.046 | 0.052 | 0.057 | 0.062 | 0.066 | 0.071 | 0.076 | 0.081 |
| 14                                        |       |       | 0.034 | 0.042 | 0.049 | 0.056 | 0.063 | 0.070 | 0.077 | 0.084 | 0.091 | 0.097 | 0.104 | 0.111 |
| 16                                        |       |       |       | 0.055 | 0.064 | 0.074 | 0.083 | 0.092 | 0.101 | 0.110 | 0.119 | 0.127 | 0.136 | 0.145 |
| 18                                        |       |       |       |       | 0.082 | 0.093 | 0.105 | 0.117 | 0.128 | 0.139 | 0.151 | 0.162 | 0.173 | 0.184 |
| 20                                        |       |       |       |       | 0.101 | 0.116 | 0.130 | 0.144 | 0.158 | 0.172 | 0.186 | 0.200 | 0.214 | 0.227 |
| 22                                        |       |       |       |       |       | 0.140 | 0.158 | 0.175 | 0.192 | 0.209 | 0.226 | 0.242 | 0.259 | 0.275 |
| 24                                        |       |       |       |       |       | 0.167 | 0.188 | 0.209 | 0.229 | 0.249 | 0.269 | 0.289 | 0.308 | 0.328 |
| 26                                        |       |       |       |       |       |       | 0.221 | 0.245 | 0.269 | 0.293 | 0.316 | 0.339 | 0.363 | 0.385 |
| 28                                        |       |       |       |       |       |       | 0.256 | 0.285 | 0.312 | 0.340 | 0.367 | 0.394 | 0.421 | 0.447 |
| 30                                        |       |       |       |       |       |       | 0.295 | 0.327 | 0.359 | 0.391 | 0.422 | 0.453 | 0.484 | 0.514 |
| 32                                        |       |       |       |       |       |       |       | 0.373 | 0.409 | 0.445 | 0.481 | 0.516 | 0.551 | 0.586 |
| 34                                        |       |       |       |       |       |       |       | 0.421 | 0.462 | 0.503 | 0.543 | 0.583 | 0.623 | 0.662 |
| 36                                        |       |       |       |       |       |       |       |       | 0.519 | 0.564 | 0.610 | 0.654 | 0.699 | 0.743 |
| 38                                        |       |       |       |       |       |       |       |       | 0.579 | 0.630 | 0.680 | 0.730 | 0.779 | 0.829 |
| 40                                        |       |       |       |       |       |       |       |       |       | 0.698 | 0.754 | 0.809 | 0.864 | 0.919 |

续表 37

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.021 | 0.022 | 0.024 |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.038 | 0.040 | 0.042 | 0.044 | 0.046 |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.059 | 0.063 | 0.066 | 0.069 | 0.072 | 0.076 | 0.079 |       |       |       |       |       |       |       |
| 12                                        | 0.086 | 0.090 | 0.095 | 0.100 | 0.105 | 0.109 | 0.114 | 0.118 |       |       |       |       |       |       |
| 14                                        | 0.117 | 0.124 | 0.130 | 0.136 | 0.143 | 0.149 | 0.155 | 0.161 | 0.168 |       |       |       |       |       |
| 16                                        | 0.153 | 0.162 | 0.170 | 0.178 | 0.187 | 0.195 | 0.203 | 0.211 | 0.219 | 0.228 |       |       |       |       |
| 18                                        | 0.194 | 0.205 | 0.216 | 0.226 | 0.237 | 0.247 | 0.258 | 0.268 | 0.278 | 0.289 | 0.299 |       |       |       |
| 20                                        | 0.240 | 0.254 | 0.267 | 0.280 | 0.293 | 0.306 | 0.319 | 0.331 | 0.344 | 0.357 | 0.369 | 0.382 |       |       |
| 22                                        | 0.291 | 0.307 | 0.323 | 0.339 | 0.355 | 0.371 | 0.386 | 0.402 | 0.417 | 0.433 | 0.448 | 0.463 | 0.478 |       |
| 24                                        | 0.347 | 0.366 | 0.385 | 0.404 | 0.423 | 0.442 | 0.460 | 0.479 | 0.497 | 0.516 | 0.534 | 0.552 | 0.570 | 0.588 |
| 26                                        | 0.408 | 0.431 | 0.453 | 0.475 | 0.497 | 0.519 | 0.541 | 0.563 | 0.584 | 0.606 | 0.627 | 0.649 | 0.670 | 0.691 |
| 28                                        | 0.474 | 0.500 | 0.526 | 0.552 | 0.577 | 0.603 | 0.628 | 0.653 | 0.679 | 0.704 | 0.728 | 0.753 | 0.778 | 0.802 |
| 30                                        | 0.545 | 0.575 | 0.604 | 0.634 | 0.664 | 0.693 | 0.722 | 0.751 | 0.780 | 0.809 | 0.837 | 0.866 | 0.894 | 0.922 |
| 32                                        | 0.620 | 0.655 | 0.689 | 0.722 | 0.756 | 0.789 | 0.822 | 0.855 | 0.888 | 0.921 | 0.954 | 0.986 | 1.018 | 1.050 |
| 34                                        | 0.701 | 0.740 | 0.778 | 0.816 | 0.854 | 0.892 | 0.929 | 0.967 | 1.004 | 1.041 | 1.078 | 1.114 | 1.151 | 1.187 |
| 36                                        | 0.787 | 0.830 | 0.873 | 0.916 | 0.959 | 1.001 | 1.043 | 1.085 | 1.127 | 1.168 | 1.209 | 1.250 | 1.291 | 1.332 |
| 38                                        | 0.877 | 0.926 | 0.974 | 1.022 | 1.069 | 1.116 | 1.163 | 1.210 | 1.256 | 1.303 | 1.349 | 1.395 | 1.440 | 1.486 |
| 40                                        | 0.973 | 1.027 | 1.080 | 1.133 | 1.186 | 1.238 | 1.290 | 1.342 | 1.393 | 1.445 | 1.496 | 1.547 | 1.597 | 1.648 |

续表 37

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.770 | 0.832 | 0.893 | 0.954 | 1.014 | 1.074 | 1.133 | 1.192 | 1.250 | 1.308 | 1.366 | 1.423 | 1.481 |
| 44                                        |       | 0.914 | 0.981 | 1.048 | 1.114 | 1.179 | 1.244 | 1.309 | 1.373 | 1.437 | 1.500 | 1.564 | 1.626 |
| 46                                        |       |       | 1.073 | 1.146 | 1.218 | 1.290 | 1.361 | 1.432 | 1.502 | 1.572 | 1.641 | 1.710 | 1.779 |
| 48                                        |       |       | 1.169 | 1.249 | 1.327 | 1.405 | 1.483 | 1.560 | 1.637 | 1.713 | 1.788 | 1.864 | 1.938 |
| 50                                        |       |       |       | 1.356 | 1.441 | 1.526 | 1.610 | 1.694 | 1.777 | 1.860 | 1.942 | 2.023 | 2.105 |
| 52                                        |       |       |       | 1.467 | 1.560 | 1.652 | 1.743 | 1.833 | 1.923 | 2.013 | 2.102 | 2.190 | 2.278 |
| 54                                        |       |       |       | 1.584 | 1.683 | 1.782 | 1.881 | 1.978 | 2.075 | 2.172 | 2.268 | 2.363 | 2.458 |
| 56                                        |       |       |       |       | 1.812 | 1.918 | 2.024 | 2.129 | 2.233 | 2.337 | 2.441 | 2.543 | 2.645 |
| 58                                        |       |       |       |       | 1.944 | 2.059 | 2.172 | 2.285 | 2.397 | 2.509 | 2.620 | 2.730 | 2.839 |
| 60                                        |       |       |       |       | 2.082 | 2.205 | 2.326 | 2.447 | 2.567 | 2.686 | 2.805 | 2.923 | 3.040 |
| 62                                        |       |       |       |       |       | 2.355 | 2.485 | 2.614 | 2.743 | 2.870 | 2.997 | 3.123 | 3.248 |
| 64                                        |       |       |       |       |       | 2.511 | 2.650 | 2.787 | 2.924 | 3.060 | 3.195 | 3.329 | 3.463 |
| 66                                        |       |       |       |       |       | 2.672 | 2.819 | 2.966 | 3.111 | 3.256 | 3.400 | 3.543 | 3.685 |
| 68                                        |       |       |       |       |       | 2.838 | 2.994 | 3.150 | 3.304 | 3.458 | 3.611 | 3.763 | 3.914 |
| 70                                        |       |       |       |       |       |       | 3.175 | 3.339 | 3.503 | 3.666 | 3.828 | 3.989 | 4.149 |
| 72                                        |       |       |       |       |       |       | 3.360 | 3.535 | 3.708 | 3.880 | 4.052 | 4.222 | 4.392 |
| 74                                        |       |       |       |       |       |       | 3.551 | 3.736 | 3.919 | 4.101 | 4.282 | 4.462 | 4.641 |
| 76                                        |       |       |       |       |       |       | 3.747 | 3.942 | 4.135 | 4.328 | 4.519 | 4.709 | 4.898 |
| 78                                        |       |       |       |       |       |       | 3.949 | 4.154 | 4.358 | 4.560 | 4.762 | 4.962 | 5.162 |
| 80                                        |       |       |       |       |       |       | 4.156 | 4.372 | 4.586 | 4.799 | 5.011 | 5.222 | 5.432 |

续表 37

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | — |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 42                                         | 1.538 | 1.594 | 1.650 | 1.707 | 1.762 | 1.818 | 1.874 | 1.929 | 1.984 | 2.039 | 2.093 |       |   |
| 44                                         | 1.689 | 1.751 | 1.813 | 1.874 | 1.936 | 1.997 | 2.058 | 2.119 | 2.179 | 2.239 | 2.299 | 2.359 |   |
| 46                                         | 1.847 | 1.915 | 1.983 | 2.050 | 2.117 | 2.184 | 2.251 | 2.317 | 2.383 | 2.449 | 2.515 | 2.580 |   |
| 48                                         | 2.013 | 2.087 | 2.161 | 2.234 | 2.307 | 2.380 | 2.453 | 2.525 | 2.597 | 2.669 | 2.740 | 2.812 |   |
| 50                                         | 2.186 | 2.266 | 2.346 | 2.426 | 2.505 | 2.584 | 2.663 | 2.742 | 2.820 | 2.898 | 2.976 | 3.053 |   |
| 52                                         | 2.366 | 2.453 | 2.539 | 2.626 | 2.712 | 2.797 | 2.883 | 2.967 | 3.052 | 3.136 | 3.220 | 3.304 |   |
| 54                                         | 2.553 | 2.647 | 2.740 | 2.833 | 2.926 | 3.019 | 3.111 | 3.202 | 3.294 | 3.385 | 3.475 | 3.566 |   |
| 56                                         | 2.747 | 2.848 | 2.949 | 3.049 | 3.149 | 3.248 | 3.347 | 3.446 | 3.544 | 3.642 | 3.740 | 3.837 |   |
| 58                                         | 2.948 | 3.057 | 3.165 | 3.273 | 3.380 | 3.487 | 3.593 | 3.699 | 3.804 | 3.909 | 4.014 | 4.119 |   |
| 60                                         | 3.157 | 3.273 | 3.389 | 3.504 | 3.619 | 3.733 | 3.847 | 3.961 | 4.074 | 4.186 | 4.298 | 4.410 |   |
| 62                                         | 3.373 | 3.497 | 3.621 | 3.744 | 3.867 | 3.989 | 4.110 | 4.231 | 4.352 | 4.472 | 4.592 | 4.712 |   |
| 64                                         | 3.596 | 3.729 | 3.860 | 3.992 | 4.122 | 4.252 | 4.382 | 4.511 | 4.640 | 4.768 | 4.896 | 5.023 |   |
| 66                                         | 3.826 | 3.967 | 4.108 | 4.247 | 4.386 | 4.525 | 4.663 | 4.800 | 4.937 | 5.073 | 5.209 | 5.345 |   |
| 68                                         | 4.064 | 4.214 | 4.363 | 4.511 | 4.659 | 4.806 | 4.952 | 5.098 | 5.244 | 5.388 | 5.533 | 5.677 |   |
| 70                                         | 4.309 | 4.467 | 4.625 | 4.783 | 4.939 | 5.095 | 5.250 | 5.405 | 5.559 | 5.713 | 5.866 | 6.019 |   |
| 72                                         | 4.561 | 4.729 | 4.896 | 5.062 | 5.228 | 5.393 | 5.557 | 5.721 | 5.884 | 6.047 | 6.209 | 6.370 |   |
| 74                                         | 4.820 | 4.997 | 5.174 | 5.350 | 5.525 | 5.699 | 5.873 | 6.046 | 6.219 | 6.391 | 6.562 | 6.733 |   |
| 76                                         | 5.086 | 5.274 | 5.460 | 5.646 | 5.830 | 6.014 | 6.198 | 6.380 | 6.562 | 6.744 | 6.925 | 7.105 |   |
| 78                                         | 5.360 | 5.557 | 5.754 | 5.949 | 6.144 | 6.338 | 6.531 | 6.724 | 6.915 | 7.107 | 7.297 | 7.487 |   |
| 80                                         | 5.641 | 5.848 | 6.055 | 6.261 | 6.466 | 6.670 | 6.873 | 7.076 | 7.278 | 7.479 | 7.679 | 7.879 |   |

## 三十九、西南地区栎类二元立木材积表

$$V = 0.000059599784 D^{1.8564005} H^{0.98056208}$$

表 38

| $V$<br>$H$<br>$D$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |
| 4                 | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 |       |
| 6                 | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 | 0.011 | 0.013 | 0.014 | 0.016 | 0.017 | 0.019 |
| 8                 | 0.006 | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.022 | 0.024 | 0.027 | 0.030 | 0.032 |
| 10                | 0.008 | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.041 | 0.045 | 0.049 |
| 12                |       | 0.018 | 0.023 | 0.029 | 0.035 | 0.040 | 0.046 | 0.052 | 0.057 | 0.063 | 0.069 |
| 14                |       |       |       | 0.039 | 0.046 | 0.054 | 0.061 | 0.069 | 0.076 | 0.084 | 0.091 |
| 16                |       |       |       | 0.050 | 0.059 | 0.069 | 0.079 | 0.088 | 0.098 | 0.108 | 0.117 |
| 18                |       |       |       |       | 0.074 | 0.086 | 0.098 | 0.110 | 0.112 | 0.134 | 0.146 |
| 20                |       |       |       |       | 0.090 | 0.105 | 0.119 | 0.134 | 0.148 | 0.163 | 0.177 |
| 22                |       |       |       |       |       | 0.125 | 0.142 | 0.160 | 0.177 | 0.194 | 0.212 |
| 24                |       |       |       |       |       | 0.147 | 0.167 | 0.188 | 0.208 | 0.228 | 0.249 |
| 26                |       |       |       |       |       | 0.170 | 0.194 | 0.218 | 0.241 | 0.265 | 0.289 |
| 28                |       |       |       |       |       |       | 0.222 | 0.250 | 0.277 | 0.304 | 0.331 |
| 30                |       |       |       |       |       |       | 0.253 | 0.284 | 0.315 | 0.346 | 0.376 |
| 32                |       |       |       |       |       |       |       | 0.320 | 0.355 | 0.390 | 0.424 |
| 34                |       |       |       |       |       |       |       | 0.358 | 0.397 | 0.436 | 0.475 |
| 36                |       |       |       |       |       |       |       | 0.398 | 0.441 | 0.485 | 0.528 |
| 38                |       |       |       |       |       |       |       | 0.440 | 0.488 | 0.536 | 0.584 |
| 40                |       |       |       |       |       |       |       | 0.484 | 0.537 | 0.589 | 0.642 |



续表 38

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          |       |       |       |       |       |       |       |       |       |       |       |
| 6                                          | 0.021 | 0.022 |       |       |       |       |       |       |       |       |       |
| 8                                          | 0.035 | 0.038 | 0.040 | 0.043 | 0.046 | 0.048 |       |       |       |       |       |
| 10                                         | 0.053 | 0.057 | 0.061 | 0.065 | 0.069 | 0.073 | 0.077 | 0.081 | 0.085 | 0.089 |       |
| 12                                         | 0.074 | 0.080 | 0.085 | 0.091 | 0.097 | 0.102 | 0.108 | 0.113 | 0.119 | 0.124 | 0.130 |
| 14                                         | 0.099 | 0.106 | 0.114 | 0.121 | 0.129 | 0.136 | 0.143 | 0.151 | 0.158 | 0.166 | 0.173 |
| 16                                         | 0.127 | 0.136 | 0.146 | 0.155 | 0.165 | 0.174 | 0.184 | 0.193 | 0.203 | 0.212 | 0.222 |
| 18                                         | 0.158 | 0.170 | 0.181 | 0.193 | 0.205 | 0.217 | 0.229 | 0.241 | 0.252 | 0.264 | 0.276 |
| 20                                         | 0.192 | 0.206 | 0.221 | 0.235 | 0.249 | 0.264 | 0.278 | 0.293 | 0.307 | 0.321 | 0.336 |
| 22                                         | 0.229 | 0.246 | 0.263 | 0.281 | 0.298 | 0.315 | 0.332 | 0.349 | 0.366 | 0.383 | 0.400 |
| 24                                         | 0.269 | 0.289 | 0.310 | 0.330 | 0.350 | 0.370 | 0.390 | 0.410 | 0.431 | 0.451 | 0.471 |
| 26                                         | 0.312 | 0.336 | 0.359 | 0.383 | 0.406 | 0.429 | 0.453 | 0.476 | 0.499 | 0.523 | 0.546 |
| 28                                         | 0.358 | 0.385 | 0.412 | 0.439 | 0.466 | 0.493 | 0.520 | 0.546 | 0.573 | 0.600 | 0.627 |
| 30                                         | 0.407 | 0.438 | 0.468 | 0.499 | 0.530 | 0.560 | 0.591 | 0.621 | 0.651 | 0.682 | 0.712 |
| 32                                         | 0.459 | 0.493 | 0.528 | 0.562 | 0.597 | 0.631 | 0.666 | 0.700 | 0.734 | 0.769 | 0.803 |
| 34                                         | 0.514 | 0.552 | 0.591 | 0.630 | 0.668 | 0.707 | 0.745 | 0.783 | 0.822 | 0.860 | 0.899 |
| 36                                         | 0.571 | 0.614 | 0.657 | 0.700 | 0.743 | 0.786 | 0.828 | 0.871 | 0.914 | 0.957 | 0.999 |
| 38                                         | 0.631 | 0.679 | 0.726 | 0.774 | 0.821 | 0.869 | 0.916 | 0.963 | 1.010 | 1.058 | 1.105 |
| 40                                         | 0.694 | 0.747 | 0.799 | 0.851 | 0.903 | 0.955 | 1.007 | 1.059 | 1.111 | 1.163 | 1.215 |

续表38

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.180 | 0.188 |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.231 | 0.241 | 0.250 | 0.259 |       |       |       |       |       |       |       |
| 18                                        | 0.288 | 0.299 | 0.311 | 0.323 | 0.335 | 0.346 |       |       |       |       |       |
| 20                                        | 0.350 | 0.364 | 0.378 | 0.393 | 0.407 | 0.421 | 0.435 | 0.450 |       |       |       |
| 22                                        | 0.418 | 0.435 | 0.452 | 0.469 | 0.486 | 0.503 | 0.520 | 0.537 |       |       |       |
| 24                                        | 0.491 | 0.511 | 0.531 | 0.551 | 0.571 | 0.591 | 0.611 | 0.631 |       |       |       |
| 26                                        | 0.569 | 0.593 | 0.616 | 0.639 | 0.662 | 0.685 | 0.709 | 0.732 |       |       |       |
| 28                                        | 0.653 | 0.680 | 0.707 | 0.733 | 0.760 | 0.787 | 0.813 | 0.840 | 0.866 | 0.893 |       |
| 30                                        | 0.743 | 0.773 | 0.803 | 0.834 | 0.864 | 0.894 | 0.924 | 0.954 | 0.985 | 1.015 |       |
| 32                                        | 0.837 | 0.871 | 0.905 | 0.940 | 0.974 | 1.008 | 1.042 | 1.076 | 1.110 | 1.144 |       |
| 34                                        | 0.937 | 0.975 | 1.013 | 1.052 | 1.090 | 1.128 | 1.166 | 1.204 | 1.242 | 1.280 |       |
| 36                                        | 1.042 | 1.084 | 1.127 | 1.169 | 1.212 | 1.254 | 1.297 | 1.339 | 1.381 | 1.424 | 1.466 |
| 38                                        | 1.152 | 1.199 | 1.246 | 1.293 | 1.340 | 1.387 | 1.433 | 1.480 | 1.527 | 1.574 | 1.621 |
| 40                                        | 1.267 | 1.318 | 1.370 | 1.422 | 1.473 | 1.525 | 1.577 | 1.628 | 1.680 | 1.731 | 1.782 |

续表 38

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.760 | 0.818 | 0.875 | 0.932 | 0.989 | 1.046 | 1.103 | 1.160 | 1.217 | 1.273 | 1.330 | 1.387 | 1.443 |
| 44                                        | 0.829 | 0.891 | 0.954 | 1.016 | 1.078 | 1.140 | 1.202 | 1.264 | 1.326 | 1.388 | 1.450 | 1.512 | 1.574 |
| 46                                        | 0.900 | 0.968 | 1.036 | 1.103 | 1.171 | 1.238 | 1.306 | 1.373 | 1.440 | 1.508 | 1.575 | 1.642 | 1.709 |
| 48                                        | 0.974 | 1.047 | 1.121 | 1.194 | 1.267 | 1.340 | 1.413 | 1.486 | 1.559 | 1.632 | 1.704 | 1.777 | 1.850 |
| 50                                        | 1.051 | 1.130 | 1.209 | 1.288 | 1.367 | 1.446 | 1.524 | 1.603 | 1.682 | 1.760 | 1.839 | 1.917 | 1.995 |
| 52                                        | 1.130 | 1.215 | 1.300 | 1.385 | 1.470 | 1.555 | 1.640 | 1.724 | 1.809 | 1.893 | 1.977 | 2.062 | 2.146 |
| 54                                        | 1.212 | 1.303 | 1.395 | 1.486 | 1.577 | 1.668 | 1.759 | 1.849 | 1.940 | 2.030 | 2.121 | 2.211 | 2.302 |
| 56                                        | 1.297 | 1.395 | 1.492 | 1.590 | 1.687 | 1.784 | 1.881 | 1.978 | 2.075 | 2.172 | 2.269 | 2.366 | 2.462 |
| 58                                        | 1.384 | 1.488 | 1.593 | 1.697 | 1.801 | 1.904 | 2.008 | 2.112 | 2.215 | 2.318 | 2.422 | 2.525 | 2.628 |
| 60                                        | 1.474 | 1.585 | 1.696 | 1.807 | 1.918 | 2.028 | 2.138 | 2.249 | 2.359 | 2.469 | 2.579 | 2.689 | 2.799 |
| 62                                        | 1.567 | 1.685 | 1.802 | 1.920 | 2.038 | 2.155 | 2.273 | 2.390 | 2.507 | 2.624 | 2.741 | 2.858 | 2.974 |
| 64                                        | 1.662 | 1.787 | 1.912 | 2.037 | 2.162 | 2.286 | 2.411 | 2.535 | 2.659 | 2.783 | 2.907 | 3.031 | 3.155 |
| 66                                        | 1.759 | 1.892 | 2.024 | 2.157 | 2.289 | 2.421 | 2.552 | 2.684 | 2.816 | 2.947 | 3.078 | 3.209 | 3.341 |
| 68                                        |       | 2.000 | 2.140 | 2.279 | 2.419 | 2.559 | 2.698 | 2.837 | 2.976 | 3.115 | 3.254 | 3.392 | 3.531 |
| 70                                        |       | 2.110 | 2.258 | 2.405 | 2.553 | 2.700 | 2.847 | 2.994 | 3.141 | 3.287 | 3.434 | 3.580 | 3.726 |
| 72                                        |       | 2.224 | 2.379 | 2.535 | 2.690 | 2.845 | 3.000 | 3.155 | 3.309 | 3.464 | 3.618 | 3.772 | 3.926 |
| 74                                        |       |       | 2.503 | 2.667 | 2.830 | 2.993 | 3.156 | 3.319 | 3.482 | 3.644 | 3.807 | 3.969 | 4.131 |
| 76                                        |       |       | 2.630 | 2.802 | 2.974 | 3.145 | 3.317 | 3.488 | 3.659 | 3.829 | 4.000 | 4.170 | 4.341 |
| 78                                        |       |       | 2.760 | 2.941 | 3.121 | 3.301 | 3.480 | 3.660 | 3.839 | 4.018 | 4.197 | 4.376 | 4.555 |
| 80                                        |       |       |       | 3.082 | 3.271 | 3.460 | 3.648 | 3.836 | 4.024 | 4.212 | 4.399 | 4.587 | 4.774 |

续表38

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.500 | 1.557 | 1.613 | 1.670 | 1.726 | 1.782 | 1.839 | 1.895 | 1.951 | 2.008 |       |       |       |
| 44                                        | 1.635 | 1.697 | 1.759 | 1.820 | 1.882 | 1.943 | 2.005 | 2.066 | 2.127 | 2.189 |       |       |       |
| 46                                        | 1.776 | 1.843 | 1.910 | 1.977 | 2.044 | 2.110 | 2.177 | 2.244 | 2.310 | 2.377 |       |       |       |
| 48                                        | 1.922 | 1.995 | 2.067 | 2.139 | 2.212 | 2.284 | 2.356 | 2.428 | 2.500 | 2.573 |       |       |       |
| 50                                        | 2.073 | 2.152 | 2.230 | 2.308 | 2.386 | 2.464 | 2.542 | 2.619 | 2.697 | 2.775 | 2.853 |       |       |
| 52                                        | 2.230 | 2.314 | 2.398 | 2.482 | 2.566 | 2.650 | 2.734 | 2.817 | 2.901 | 2.985 | 3.068 |       |       |
| 54                                        | 2.392 | 2.482 | 2.572 | 2.662 | 2.752 | 2.842 | 2.932 | 3.022 | 3.112 | 3.201 | 3.291 |       |       |
| 56                                        | 2.559 | 2.655 | 2.752 | 2.848 | 2.944 | 3.041 | 3.137 | 3.233 | 3.329 | 3.425 | 3.521 |       |       |
| 58                                        | 2.731 | 2.834 | 2.937 | 3.040 | 3.143 | 3.245 | 3.348 | 3.450 | 3.553 | 3.655 | 3.758 | 3.860 |       |
| 60                                        | 2.909 | 3.018 | 3.128 | 3.237 | 3.347 | 3.456 | 3.565 | 3.675 | 3.784 | 3.893 | 4.002 | 4.111 |       |
| 62                                        | 3.091 | 3.208 | 3.324 | 3.440 | 3.557 | 3.673 | 3.789 | 3.905 | 4.021 | 4.137 | 4.253 | 4.369 |       |
| 64                                        | 3.279 | 3.402 | 3.526 | 3.649 | 3.773 | 3.896 | 4.019 | 4.142 | 4.265 | 4.388 | 4.511 | 4.634 |       |
| 66                                        | 3.471 | 3.602 | 3.733 | 3.864 | 3.994 | 4.125 | 4.255 | 4.386 | 4.516 | 4.646 | 4.776 | 4.906 |       |
| 68                                        | 3.669 | 3.808 | 3.946 | 4.084 | 4.222 | 4.360 | 4.498 | 4.636 | 4.773 | 4.911 | 5.049 | 5.186 |       |
| 70                                        | 3.872 | 4.018 | 4.164 | 4.310 | 4.455 | 4.601 | 4.747 | 4.892 | 5.037 | 5.183 | 5.328 | 5.473 | 5.618 |
| 72                                        | 4.080 | 4.234 | 4.388 | 4.541 | 4.695 | 4.848 | 5.001 | 5.155 | 5.308 | 5.461 | 5.614 | 5.767 | 5.919 |
| 74                                        | 4.293 | 4.455 | 4.617 | 4.778 | 4.940 | 5.101 | 5.262 | 5.424 | 5.585 | 5.746 | 5.907 | 6.067 | 6.228 |
| 76                                        | 4.511 | 4.681 | 4.851 | 5.021 | 5.190 | 5.360 | 5.529 | 5.699 | 5.868 | 6.037 | 6.206 | 6.375 | 6.544 |
| 78                                        | 4.734 | 4.912 | 5.090 | 5.269 | 5.447 | 5.625 | 5.803 | 5.980 | 6.158 | 6.336 | 6.513 | 6.690 | 6.868 |
| 80                                        | 4.961 | 5.149 | 5.335 | 5.522 | 5.709 | 5.895 | 6.082 | 6.268 | 6.454 | 6.640 | 6.826 | 7.012 | 7.198 |

## 四十、西南地区丝栗、高山栎二元立木材积表

$$V = 0.000048346625 D^{1.8905785} H^{1.0789400}$$

表39

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |       |
| 4                                         | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 |       |       |       |
| 6                                         | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.019 | 0.021 | 0.023 | 0.025 | 0.026 |
| 8                                         | 0.005 | 0.008 | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.026 | 0.029 | 0.033 | 0.036 | 0.039 | 0.042 | 0.046 |
| 10                                        |       | 0.012 | 0.017 | 0.021 | 0.026 | 0.031 | 0.035 | 0.040 | 0.045 | 0.050 | 0.055 | 0.060 | 0.064 | 0.069 |
| 12                                        |       |       | 0.024 | 0.030 | 0.037 | 0.043 | 0.050 | 0.057 | 0.063 | 0.070 | 0.077 | 0.084 | 0.091 | 0.098 |
| 14                                        |       |       | 0.032 | 0.040 | 0.049 | 0.058 | 0.067 | 0.076 | 0.085 | 0.094 | 0.103 | 0.112 | 0.122 | 0.131 |
| 16                                        |       |       | 0.041 | 0.052 | 0.063 | 0.074 | 0.086 | 0.097 | 0.109 | 0.121 | 0.133 | 0.145 | 0.157 | 0.169 |
| 18                                        |       |       |       | 0.065 | 0.079 | 0.093 | 0.107 | 0.122 | 0.136 | 0.151 | 0.166 | 0.181 | 0.196 | 0.211 |
| 20                                        |       |       |       | 0.079 | 0.096 | 0.113 | 0.131 | 0.149 | 0.166 | 0.184 | 0.202 | 0.221 | 0.239 | 0.257 |
| 22                                        |       |       |       |       | 0.115 | 0.136 | 0.157 | 0.178 | 0.199 | 0.221 | 0.242 | 0.264 | 0.286 | 0.308 |
| 24                                        |       |       |       |       | 0.135 | 0.160 | 0.185 | 0.210 | 0.235 | 0.260 | 0.266 | 0.311 | 0.337 | 0.363 |
| 26                                        |       |       |       |       |       | 0.186 | 0.215 | 0.244 | 0.273 | 0.303 | 0.332 | 0.362 | 0.392 | 0.423 |
| 28                                        |       |       |       |       |       | 0.214 | 0.247 | 0.281 | 0.314 | 0.348 | 0.382 | 0.417 | 0.451 | 0.486 |
| 30                                        |       |       |       |       |       |       | 0.282 | 0.320 | 0.358 | 0.397 | 0.436 | 0.475 | 0.514 | 0.554 |
| 32                                        |       |       |       |       |       |       | 0.318 | 0.361 | 0.404 | 0.448 | 0.492 | 0.537 | 0.581 | 0.626 |
| 34                                        |       |       |       |       |       |       |       | 0.405 | 0.454 | 0.503 | 0.552 | 0.602 | 0.652 | 0.702 |
| 36                                        |       |       |       |       |       |       |       | 0.451 | 0.505 | 0.560 | 0.615 | 0.670 | 0.726 | 0.782 |
| 38                                        |       |       |       |       |       |       |       |       | 0.560 | 0.620 | 0.681 | 0.743 | 0.804 | 0.866 |
| 40                                        |       |       |       |       |       |       |       |       | 0.617 | 0.683 | 0.751 | 0.818 | 0.886 | 0.954 |

续表39

| $\frac{V}{D}$ \ $H$ | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                   | 0.049 | 0.052 |       |       |       |       |       |       |       |       |       |       |       |
| 10                  | 0.074 | 0.079 | 0.084 | 0.090 |       |       |       |       |       |       |       |       |       |
| 12                  | 0.105 | 0.112 | 0.119 | 0.126 | 0.134 |       |       |       |       |       |       |       |       |
| 14                  | 0.141 | 0.150 | 0.160 | 0.169 | 0.179 | 0.188 |       |       |       |       |       |       |       |
| 16                  | 0.181 | 0.193 | 0.205 | 0.213 | 0.230 | 0.243 | 0.255 |       |       |       |       |       |       |
| 18                  | 0.226 | 0.241 | 0.257 | 0.272 | 0.288 | 0.303 | 0.319 |       |       |       |       |       |       |
| 20                  | 0.276 | 0.295 | 0.313 | 0.332 | 0.351 | 0.370 | 0.389 | 0.408 |       |       |       |       |       |
| 22                  | 0.330 | 0.353 | 0.375 | 0.398 | 0.420 | 0.443 | 0.466 | 0.488 |       |       |       |       |       |
| 24                  | 0.390 | 0.416 | 0.442 | 0.469 | 0.495 | 0.522 | 0.549 | 0.576 | 0.603 |       |       |       |       |
| 26                  | 0.453 | 0.484 | 0.514 | 0.545 | 0.576 | 0.607 | 0.639 | 0.670 | 0.701 |       |       |       |       |
| 28                  | 0.521 | 0.556 | 0.592 | 0.627 | 0.663 | 0.699 | 0.735 | 0.771 | 0.807 | 0.843 |       |       |       |
| 30                  | 0.594 | 0.634 | 0.674 | 0.715 | 0.755 | 0.796 | 0.837 | 0.878 | 0.919 | 0.960 |       |       |       |
| 32                  | 0.671 | 0.716 | 0.762 | 0.807 | 0.853 | 0.899 | 0.946 | 0.992 | 1.038 | 1.085 | 1.132 |       |       |
| 34                  | 0.753 | 0.803 | 0.854 | 0.905 | 0.957 | 1.009 | 1.060 | 1.112 | 1.165 | 1.217 | 1.269 |       |       |
| 36                  | 0.838 | 0.895 | 0.952 | 1.009 | 1.066 | 1.124 | 1.181 | 1.239 | 1.297 | 1.356 | 1.414 | 1.473 |       |
| 38                  | 0.929 | 0.991 | 1.054 | 1.117 | 1.181 | 1.245 | 1.309 | 1.373 | 1.437 | 1.502 | 1.566 | 1.631 |       |
| 40                  | 1.023 | 1.092 | 1.162 | 1.231 | 1.301 | 1.371 | 1.442 | 1.512 | 1.583 | 1.655 | 1.726 | 1.798 | 1.869 |

续表39

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.749 | 0.823 | 0.897 | 0.972 | 1.047 | 1.122 | 1.198 | 1.274 | 1.350 | 1.427 | 1.504 | 1.581 | 1.659 |
| 44                                        | 0.818 | 0.899 | 0.980 | 1.061 | 1.143 | 1.225 | 1.308 | 1.391 | 1.474 | 1.558 | 1.642 | 1.726 | 1.811 |
| 46                                        | 0.890 | 0.978 | 1.066 | 1.154 | 1.243 | 1.333 | 1.423 | 1.513 | 1.604 | 1.695 | 1.786 | 1.878 | 1.970 |
| 48                                        | 0.965 | 1.059 | 1.155 | 1.251 | 1.347 | 1.444 | 1.542 | 1.640 | 1.738 | 1.837 | 1.936 | 2.035 | 2.135 |
| 50                                        |       | 1.144 | 1.248 | 1.351 | 1.455 | 1.560 | 1.665 | 1.771 | 1.877 | 1.984 | 2.091 | 2.198 | 2.306 |
| 52                                        |       | 1.233 | 1.344 | 1.455 | 1.567 | 1.680 | 1.794 | 1.907 | 2.022 | 2.137 | 2.252 | 2.368 | 2.484 |
| 54                                        |       | 1.324 | 1.443 | 1.563 | 1.683 | 1.805 | 1.926 | 2.049 | 2.171 | 2.295 | 2.418 | 2.543 | 2.667 |
| 56                                        |       |       | 1.546 | 1.674 | 1.803 | 1.933 | 2.063 | 2.194 | 2.326 | 2.458 | 2.591 | 2.724 | 2.857 |
| 58                                        |       |       | 1.652 | 1.789 | 1.927 | 2.066 | 2.205 | 2.345 | 2.485 | 2.627 | 2.768 | 2.911 | 3.053 |
| 60                                        |       |       | 1.761 | 1.907 | 2.054 | 2.202 | 2.351 | 2.500 | 2.650 | 2.800 | 2.952 | 3.103 | 3.255 |
| 62                                        |       |       |       | 2.029 | 2.186 | 2.343 | 2.501 | 2.660 | 2.819 | 2.980 | 3.140 | 3.302 | 3.464 |
| 64                                        |       |       |       | 2.155 | 2.321 | 2.488 | 2.656 | 2.825 | 2.994 | 3.164 | 3.335 | 3.506 | 3.678 |
| 66                                        |       |       |       | 2.284 | 2.460 | 2.637 | 2.815 | 2.994 | 3.173 | 3.353 | 3.534 | 3.716 | 3.898 |
| 68                                        |       |       |       | 2.416 | 2.603 | 2.790 | 2.978 | 3.168 | 3.357 | 3.548 | 3.740 | 3.932 | 4.124 |
| 70                                        |       |       |       |       | 2.749 | 2.947 | 3.146 | 3.346 | 3.547 | 3.748 | 3.950 | 4.153 | 4.357 |
| 72                                        |       |       |       |       | 2.900 | 3.109 | 3.318 | 3.529 | 3.741 | 3.953 | 4.166 | 4.380 | 4.595 |
| 74                                        |       |       |       |       | 3.054 | 3.274 | 3.495 | 3.717 | 3.939 | 4.163 | 4.388 | 4.613 | 4.839 |
| 76                                        |       |       |       |       | 3.212 | 3.443 | 3.675 | 3.909 | 4.143 | 4.378 | 4.615 | 4.852 | 5.090 |
| 78                                        |       |       |       |       | 3.374 | 3.616 | 3.860 | 4.106 | 4.352 | 4.599 | 4.847 | 5.096 | 5.346 |
| 80                                        |       |       |       |       | 3.539 | 3.794 | 4.050 | 4.307 | 4.565 | 4.824 | 5.085 | 5.346 | 5.608 |

续表39

| $V \backslash H$<br>$D$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                      | 1.736 | 1.814 | 1.893 | 1.971 | 2.050 |       |       |       |       |       |       |       |
| 44                      | 1.896 | 1.981 | 2.067 | 2.152 | 2.238 | 2.325 |       |       |       |       |       |       |
| 46                      | 2.062 | 2.155 | 2.248 | 2.341 | 2.435 | 2.528 |       |       |       |       |       |       |
| 48                      | 2.235 | 2.336 | 2.436 | 2.537 | 2.639 | 2.740 | 2.842 |       |       |       |       |       |
| 50                      | 2.414 | 2.523 | 2.632 | 2.741 | 2.850 | 2.960 | 3.070 |       |       |       |       |       |
| 52                      | 2.600 | 2.717 | 2.834 | 2.952 | 3.070 | 3.188 | 3.307 | 3.425 |       |       |       |       |
| 54                      | 2.793 | 2.918 | 3.044 | 3.170 | 3.297 | 3.424 | 3.551 | 3.679 |       |       |       |       |
| 56                      | 2.991 | 3.126 | 3.261 | 3.396 | 3.531 | 3.667 | 3.804 | 3.941 | 4.078 |       |       |       |
| 58                      | 3.196 | 3.340 | 3.484 | 3.629 | 3.774 | 3.919 | 4.065 | 4.211 | 4.357 | 4.504 |       |       |
| 60                      | 3.408 | 3.561 | 3.715 | 3.869 | 4.023 | 4.178 | 4.334 | 4.490 | 4.646 | 4.802 | 4.959 |       |
| 62                      | 3.626 | 3.789 | 3.952 | 4.116 | 4.281 | 4.446 | 4.611 | 4.777 | 4.943 | 5.109 | 5.276 | 5.444 |
| 64                      | 3.850 | 4.023 | 4.197 | 4.371 | 4.546 | 4.721 | 4.896 | 5.072 | 5.249 | 5.425 | 5.603 | 5.780 |
| 66                      | 4.081 | 4.264 | 4.448 | 4.633 | 4.818 | 5.003 | 5.190 | 5.376 | 5.563 | 5.750 | 5.938 | 6.127 |
| 68                      | 4.318 | 4.512 | 4.707 | 4.902 | 5.098 | 5.294 | 5.491 | 5.688 | 5.886 | 6.084 | 6.283 | 6.482 |
| 70                      | 4.561 | 4.766 | 4.972 | 5.178 | 5.385 | 5.592 | 5.800 | 6.009 | 6.218 | 6.427 | 6.637 | 6.848 |
| 72                      | 4.811 | 5.027 | 5.244 | 5.461 | 5.679 | 5.898 | 6.117 | 6.337 | 6.558 | 6.779 | 7.000 | 7.222 |
| 74                      | 5.066 | 5.294 | 5.523 | 5.752 | 5.981 | 6.212 | 6.443 | 6.674 | 6.906 | 7.139 | 7.372 | 7.606 |
| 76                      | 5.328 | 5.568 | 5.808 | 6.049 | 6.291 | 6.533 | 6.776 | 7.019 | 7.264 | 7.508 | 7.754 | 7.999 |
| 78                      | 5.597 | 5.848 | 6.100 | 6.353 | 6.607 | 6.862 | 7.117 | 7.373 | 7.629 | 7.886 | 8.144 | 8.402 |
| 80                      | 5.871 | 6.135 | 6.400 | 6.665 | 6.931 | 7.198 | 7.466 | 7.734 | 8.003 | 8.273 | 8.543 | 8.814 |



续表 39

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     |
|-------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 3.708 | 3.975 | 4.243 | 4.513  | 4.783  | 5.055  | 5.323  | 5.601  | 5.876  | 6.152  | 6.428  |
| 84                                        | 3.881 | 4.160 | 4.441 | 4.723  | 5.006  | 5.291  | 5.576  | 5.862  | 6.150  | 6.438  | 6.728  |
| 86                                        | 4.058 | 4.350 | 4.643 | 4.938  | 5.234  | 5.531  | 5.830  | 6.129  | 6.430  | 6.731  | 7.034  |
| 88                                        | 4.238 | 4.543 | 4.849 | 5.157  | 5.466  | 5.777  | 6.089  | 6.401  | 6.715  | 7.030  | 7.346  |
| 90                                        | 4.422 | 4.740 | 5.060 | 5.381  | 5.704  | 6.028  | 6.353  | 6.679  | 7.007  | 7.335  | 7.665  |
| 92                                        | 4.609 | 4.941 | 5.274 | 5.609  | 5.946  | 6.283  | 6.622  | 6.963  | 7.304  | 7.647  | 7.990  |
| 94                                        | 4.801 | 5.146 | 5.493 | 5.842  | 6.192  | 6.544  | 6.897  | 7.252  | 7.607  | 7.964  | 8.322  |
| 96                                        | 4.996 | 5.355 | 5.716 | 6.079  | 6.444  | 6.810  | 7.177  | 7.546  | 7.916  | 8.287  | 8.660  |
| 98                                        | 5.194 | 5.568 | 5.944 | 6.321  | 6.700  | 7.081  | 7.463  | 7.846  | 8.231  | 8.617  | 9.004  |
| 100                                       | 5.396 | 5.785 | 6.175 | 6.567  | 6.961  | 7.356  | 7.753  | 8.151  | 8.551  | 8.952  | 9.355  |
| 102                                       | 5.602 | 6.005 | 6.411 | 6.818  | 7.226  | 7.637  | 8.049  | 8.462  | 8.877  | 9.294  | 9.711  |
| 104                                       | 5.812 | 6.230 | 6.650 | 7.073  | 7.497  | 7.922  | 8.350  | 8.779  | 9.209  | 9.641  | 10.075 |
| 106                                       | 6.025 | 6.458 | 6.894 | 7.332  | 7.772  | 8.213  | 8.656  | 9.101  | 9.547  | 9.995  | 10.444 |
| 108                                       | 6.242 | 6.691 | 7.142 | 7.596  | 8.051  | 8.508  | 8.967  | 9.428  | 9.890  | 10.354 | 10.820 |
| 110                                       | 6.462 | 6.927 | 7.394 | 7.864  | 8.335  | 8.809  | 9.284  | 9.761  | 10.239 | 10.720 | 11.202 |
| 112                                       | 6.686 | 7.167 | 7.651 | 8.136  | 8.624  | 9.114  | 9.606  | 10.099 | 10.594 | 11.091 | 11.590 |
| 114                                       | 6.913 | 7.411 | 7.911 | 8.413  | 8.918  | 9.424  | 9.932  | 10.443 | 10.955 | 11.469 | 11.984 |
| 116                                       | 7.144 | 7.659 | 8.175 | 8.694  | 9.216  | 9.739  | 10.264 | 10.792 | 11.321 | 11.852 | 12.385 |
| 118                                       | 7.379 | 7.910 | 8.444 | 8.980  | 9.518  | 10.059 | 10.602 | 11.146 | 11.693 | 12.241 | 12.791 |
| 120                                       | 7.617 | 8.166 | 8.716 | 9.270  | 9.826  | 10.384 | 10.944 | 11.506 | 12.070 | 12.636 | 13.204 |
| 122                                       | 7.859 | 8.425 | 8.993 | 9.564  | 10.138 | 10.713 | 11.291 | 11.871 | 12.454 | 13.038 | 13.624 |
| 124                                       | 8.104 | 8.688 | 9.274 | 9.863  | 10.454 | 11.048 | 11.644 | 12.242 | 12.842 | 13.445 | 14.049 |
| 126                                       | 8.353 | 8.955 | 9.559 | 10.166 | 10.775 | 11.387 | 12.001 | 12.618 | 13.237 | 13.858 | 14.480 |

续表 39

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 6.705  | 6.984  | 7.262  | 7.542  | 7.823  | 8.104  | 8.386  | 8.668  | 8.951  | 9.235  |
| 84                                        | 7.018  | 7.309  | 7.601  | 7.894  | 8.187  | 8.482  | 8.777  | 9.072  | 9.369  | 9.666  |
| 86                                        | 7.337  | 7.642  | 7.947  | 8.253  | 8.560  | 8.867  | 9.176  | 9.485  | 9.795  | 10.105 |
| 88                                        | 7.663  | 7.981  | 8.300  | 8.619  | 8.940  | 9.261  | 9.583  | 9.906  | 10.230 | 10.554 |
| 90                                        | 7.996  | 8.327  | 8.660  | 8.994  | 9.328  | 9.663  | 9.999  | 10.336 | 10.674 | 11.012 |
| 92                                        | 8.335  | 8.681  | 9.027  | 9.375  | 9.724  | 10.073 | 10.424 | 10.775 | 11.127 | 11.480 |
| 94                                        | 8.681  | 9.041  | 9.402  | 9.764  | 10.127 | 10.491 | 10.856 | 11.222 | 11.589 | 11.956 |
| 96                                        | 9.033  | 9.408  | 9.784  | 10.161 | 10.538 | 10.917 | 11.297 | 11.678 | 12.059 | 12.442 |
| 98                                        | 9.392  | 9.782  | 10.173 | 10.565 | 10.957 | 11.351 | 11.746 | 12.142 | 12.539 | 12.936 |
| 100                                       | 9.758  | 10.163 | 10.569 | 10.976 | 11.384 | 11.793 | 12.203 | 12.615 | 13.027 | 13.440 |
| 102                                       | 10.130 | 10.551 | 10.972 | 11.395 | 11.818 | 12.243 | 12.669 | 13.096 | 13.524 | 13.952 |
| 104                                       | 10.509 | 10.945 | 11.382 | 11.821 | 12.260 | 12.701 | 13.143 | 13.585 | 14.029 | 14.474 |
| 106                                       | 10.894 | 11.346 | 11.800 | 12.254 | 12.710 | 13.167 | 13.625 | 14.084 | 14.544 | 15.005 |
| 108                                       | 11.286 | 11.755 | 12.224 | 12.695 | 13.167 | 13.640 | 14.115 | 14.590 | 15.067 | 15.545 |
| 110                                       | 11.685 | 12.169 | 12.656 | 13.143 | 13.632 | 14.122 | 14.613 | 15.105 | 15.599 | 16.093 |
| 112                                       | 12.090 | 12.591 | 13.094 | 13.598 | 14.104 | 14.611 | 15.119 | 15.629 | 16.139 | 16.651 |
| 114                                       | 12.501 | 13.020 | 13.540 | 14.061 | 14.584 | 15.108 | 15.634 | 16.160 | 16.688 | 17.218 |
| 116                                       | 12.919 | 13.455 | 13.992 | 14.531 | 15.072 | 15.613 | 16.156 | 16.701 | 17.246 | 17.793 |
| 118                                       | 13.343 | 13.897 | 14.452 | 15.008 | 15.567 | 16.126 | 16.687 | 17.249 | 17.813 | 18.378 |
| 120                                       | 13.774 | 14.345 | 14.918 | 15.493 | 16.069 | 16.647 | 17.226 | 17.806 | 18.388 | 18.971 |
| 122                                       | 14.211 | 14.801 | 15.392 | 15.985 | 16.579 | 17.175 | 17.773 | 18.371 | 18.972 | 19.573 |
| 124                                       | 14.655 | 15.263 | 15.873 | 16.484 | 17.097 | 17.711 | 18.327 | 18.945 | 19.564 | 20.184 |
| 126                                       | 15.105 | 15.732 | 16.360 | 16.990 | 17.622 | 18.255 | 18.890 | 19.527 | 20.165 | 20.804 |

## 四十一、四川和滇西北阔叶树二元立木材积表

$$V = 0.000052750716 D^{1.9450324} H^{0.93885330}$$

表40

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |
| 4          |     | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 |       |       |
| 6          |     | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 |
| 8          |     |       | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.033 | 0.036 |
| 10         |     |       | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.040 | 0.044 | 0.048 | 0.052 | 0.055 |
| 12         |     |       |       | 0.024 | 0.030 | 0.036 | 0.041 | 0.047 | 0.052 | 0.058 | 0.063 | 0.068 | 0.074 | 0.079 |
| 14         |     |       |       | 0.033 | 0.041 | 0.048 | 0.056 | 0.063 | 0.070 | 0.078 | 0.085 | 0.092 | 0.099 | 0.107 |
| 16         |     |       |       |       | 0.053 | 0.062 | 0.072 | 0.082 | 0.091 | 0.101 | 0.110 | 0.120 | 0.129 | 0.138 |
| 18         |     |       |       |       | 0.066 | 0.078 | 0.091 | 0.103 | 0.115 | 0.127 | 0.139 | 0.150 | 0.162 | 0.174 |
| 20         |     |       |       |       |       | 0.096 | 0.111 | 0.126 | 0.141 | 0.155 | 0.170 | 0.184 | 0.199 | 0.213 |
| 22         |     |       |       |       |       | 0.116 | 0.134 | 0.152 | 0.170 | 0.187 | 0.205 | 0.222 | 0.239 | 0.257 |
| 24         |     |       |       |       |       |       | 0.159 | 0.180 | 0.201 | 0.222 | 0.242 | 0.263 | 0.284 | 0.304 |
| 26         |     |       |       |       |       |       | 0.185 | 0.210 | 0.235 | 0.259 | 0.283 | 0.307 | 0.331 | 0.355 |
| 28         |     |       |       |       |       |       |       | 0.243 | 0.271 | 0.299 | 0.327 | 0.355 | 0.383 | 0.410 |
| 30         |     |       |       |       |       |       |       | 0.277 | 0.310 | 0.342 | 0.374 | 0.406 | 0.438 | 0.469 |
| 32         |     |       |       |       |       |       |       |       | 0.351 | 0.388 | 0.424 | 0.460 | 0.496 | 0.532 |
| 34         |     |       |       |       |       |       |       |       | 0.395 | 0.436 | 0.477 | 0.518 | 0.558 | 0.598 |
| 36         |     |       |       |       |       |       |       |       |       | 0.488 | 0.533 | 0.579 | 0.624 | 0.669 |
| 38         |     |       |       |       |       |       |       |       |       | 0.542 | 0.592 | 0.643 | 0.693 | 0.743 |
| 40         |     |       |       |       |       |       |       |       |       |       | 0.655 | 0.710 | 0.766 | 0.821 |

续表40

| $\begin{array}{c} H \\ \swarrow \\ V \\ \searrow \\ D \end{array}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|--------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                                                  | 0.022 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                                                  | 0.038 | 0.041 | 0.043 |       |       |       |       |       |       |       |       |       |       |
| 10                                                                 | 0.059 | 0.063 | 0.066 | 0.070 |       |       |       |       |       |       |       |       |       |
| 12                                                                 | 0.084 | 0.089 | 0.095 | 0.100 | 0.105 |       |       |       |       |       |       |       |       |
| 14                                                                 | 0.114 | 0.121 | 0.128 | 0.135 | 0.142 | 0.149 |       |       |       |       |       |       |       |
| 16                                                                 | 0.147 | 0.157 | 0.166 | 0.175 | 0.184 | 0.193 | 0.202 |       |       |       |       |       |       |
| 18                                                                 | 0.185 | 0.197 | 0.208 | 0.220 | 0.231 | 0.243 | 0.254 | 0.266 |       |       |       |       |       |
| 20                                                                 | 0.227 | 0.242 | 0.256 | 0.270 | 0.284 | 0.298 | 0.312 | 0.326 |       |       |       |       |       |
| 22                                                                 | 0.274 | 0.291 | 0.308 | 0.325 | 0.342 | 0.359 | 0.376 | 0.392 | 0.409 |       |       |       |       |
| 24                                                                 | 0.324 | 0.345 | 0.365 | 0.385 | 0.405 | 0.425 | 0.445 | 0.465 | 0.484 |       |       |       |       |
| 26                                                                 | 0.379 | 0.403 | 0.426 | 0.450 | 0.473 | 0.496 | 0.520 | 0.543 | 0.566 | 0.589 |       |       |       |
| 28                                                                 | 0.438 | 0.465 | 0.492 | 0.519 | 0.546 | 0.573 | 0.600 | 0.627 | 0.654 | 0.680 |       |       |       |
| 30                                                                 | 0.501 | 0.532 | 0.563 | 0.594 | 0.625 | 0.656 | 0.687 | 0.717 | 0.748 | 0.778 | 0.809 |       |       |
| 32                                                                 | 0.568 | 0.603 | 0.638 | 0.673 | 0.709 | 0.743 | 0.778 | 0.813 | 0.848 | 0.882 | 0.917 |       |       |
| 34                                                                 | 0.639 | 0.678 | 0.718 | 0.758 | 0.797 | 0.837 | 0.876 | 0.915 | 0.954 | 0.993 | 1.031 | 1.070 |       |
| 36                                                                 | 0.714 | 0.758 | 0.803 | 0.847 | 0.891 | 0.935 | 0.979 | 1.022 | 1.066 | 1.109 | 1.153 | 1.196 |       |
| 38                                                                 | 0.793 | 0.842 | 0.892 | 0.941 | 0.990 | 1.039 | 1.087 | 1.136 | 1.184 | 1.232 | 1.281 | 1.329 | 1.377 |
| 40                                                                 | 0.876 | 0.931 | 0.985 | 1.039 | 1.094 | 1.148 | 1.201 | 1.255 | 1.308 | 1.362 | 1.415 | 1.468 | 1.521 |

续表40

| $\begin{array}{c} H \\ V \\ D \end{array}$ |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                            | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
| 42                                         | 0.781 | 0.842 | 0.903 | 0.963 | 1.023 | 1.083 | 1.143 | 1.202 | 1.262 | 1.321 | 1.380 | 1.439 | 1.497 |
| 44                                         | 0.855 | 0.922 | 0.988 | 1.054 | 1.120 | 1.186 | 1.251 | 1.316 | 1.381 | 1.446 | 1.511 | 1.575 | 1.639 |
| 46                                         | 0.932 | 1.005 | 1.077 | 1.150 | 1.221 | 1.293 | 1.364 | 1.435 | 1.506 | 1.577 | 1.647 | 1.717 | 1.787 |
| 48                                         |       | 1.092 | 1.170 | 1.249 | 1.327 | 1.404 | 1.482 | 1.559 | 1.636 | 1.713 | 1.789 | 1.865 | 1.941 |
| 50                                         |       | 1.182 | 1.267 | 1.352 | 1.436 | 1.521 | 1.604 | 1.688 | 1.771 | 1.854 | 1.937 | 2.019 | 2.102 |
| 52                                         |       |       | 1.368 | 1.459 | 1.550 | 1.641 | 1.732 | 1.822 | 1.912 | 2.001 | 2.090 | 2.180 | 2.268 |
| 54                                         |       |       | 1.472 | 1.570 | 1.668 | 1.766 | 1.863 | 1.960 | 2.057 | 2.154 | 2.250 | 2.346 | 2.441 |
| 56                                         |       |       |       | 1.685 | 1.791 | 1.895 | 2.000 | 2.104 | 2.208 | 2.311 | 2.415 | 2.518 | 2.620 |
| 58                                         |       |       |       | 1.804 | 1.917 | 2.029 | 2.141 | 2.253 | 2.364 | 2.475 | 2.585 | 2.695 | 2.805 |
| 60                                         |       |       |       | 1.927 | 2.048 | 2.168 | 2.287 | 2.406 | 2.525 | 2.643 | 2.761 | 2.879 | 2.996 |
| 62                                         |       |       |       | 2.054 | 2.183 | 2.310 | 2.438 | 2.565 | 2.691 | 2.817 | 2.943 | 3.069 | 3.194 |
| 64                                         |       |       |       | 2.185 | 2.322 | 2.458 | 2.593 | 2.728 | 2.863 | 2.997 | 3.131 | 3.264 | 3.397 |
| 66                                         |       |       |       | 2.320 | 2.465 | 2.609 | 2.753 | 2.896 | 3.039 | 3.182 | 3.324 | 3.465 | 3.607 |
| 68                                         |       |       |       | 2.459 | 2.612 | 2.765 | 2.918 | 3.070 | 3.221 | 3.372 | 3.523 | 3.673 | 3.822 |
| 70                                         |       |       |       | 2.601 | 2.764 | 2.926 | 3.087 | 3.248 | 3.408 | 3.568 | 3.727 | 3.886 | 4.044 |
| 72                                         |       |       |       | 2.748 | 2.919 | 3.090 | 3.261 | 3.431 | 3.600 | 3.769 | 3.937 | 4.105 | 4.272 |
| 74                                         |       |       |       | 2.898 | 3.079 | 3.260 | 3.439 | 3.618 | 3.797 | 3.975 | 4.152 | 4.329 | 4.506 |
| 76                                         |       |       |       | 3.052 | 3.243 | 3.433 | 3.622 | 3.811 | 3.999 | 4.186 | 4.373 | 4.560 | 4.746 |
| 78                                         |       |       |       | 3.211 | 3.411 | 3.611 | 3.810 | 4.008 | 4.206 | 4.403 | 4.600 | 4.796 | 4.991 |
| 80                                         |       |       |       | 3.373 | 3.583 | 3.793 | 4.002 | 4.211 | 4.419 | 4.626 | 4.832 | 5.038 | 5.243 |

续表40

| $\begin{matrix} V & H \\ D \end{matrix}$ | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 1.556 | 1.614 | 1.672 | 1.730 |       |       |       |       |       |       |       |       |       |
| 44                                       | 1.703 | 1.767 | 1.831 | 1.894 |       |       |       |       |       |       |       |       |       |
| 46                                       | 1.857 | 1.927 | 1.996 | 2.065 | 2.135 |       |       |       |       |       |       |       |       |
| 48                                       | 2.017 | 2.093 | 2.168 | 2.244 | 2.319 |       |       |       |       |       |       |       |       |
| 50                                       | 2.184 | 2.266 | 2.348 | 2.429 | 2.510 | 2.592 |       |       |       |       |       |       |       |
| 52                                       | 2.357 | 2.445 | 2.534 | 2.622 | 2.709 | 2.797 |       |       |       |       |       |       |       |
| 54                                       | 2.537 | 2.632 | 2.727 | 2.821 | 2.916 | 3.010 | 3.104 |       |       |       |       |       |       |
| 56                                       | 2.723 | 2.825 | 2.927 | 3.028 | 3.130 | 3.231 | 3.332 |       |       |       |       |       |       |
| 58                                       | 2.915 | 3.024 | 3.133 | 3.242 | 3.351 | 3.459 | 3.567 | 3.675 |       |       |       |       |       |
| 60                                       | 3.114 | 3.230 | 3.347 | 3.463 | 3.579 | 3.695 | 3.810 | 3.926 |       |       |       |       |       |
| 62                                       | 3.319 | 3.443 | 3.567 | 3.691 | 3.815 | 3.938 | 4.061 | 4.184 | 4.307 |       |       |       |       |
| 64                                       | 3.530 | 3.662 | 3.794 | 3.926 | 4.058 | 4.189 | 4.320 | 4.451 | 4.581 |       |       |       |       |
| 66                                       | 3.748 | 3.888 | 4.028 | 4.168 | 4.308 | 4.447 | 4.586 | 4.725 | 4.864 | 5.002 |       |       |       |
| 68                                       | 3.972 | 4.121 | 4.269 | 4.418 | 4.566 | 4.713 | 4.861 | 5.008 | 5.154 | 5.301 | 5.447 |       |       |
| 70                                       | 4.202 | 4.360 | 4.517 | 4.674 | 4.830 | 4.987 | 5.142 | 5.298 | 5.453 | 5.608 | 5.763 |       |       |
| 72                                       | 4.439 | 4.605 | 4.771 | 4.937 | 5.102 | 5.267 | 5.432 | 5.596 | 5.761 | 5.924 | 6.088 | 6.251 |       |
| 74                                       | 4.682 | 4.857 | 5.033 | 5.207 | 5.382 | 5.556 | 5.729 | 5.903 | 6.076 | 6.249 | 6.421 | 6.593 |       |
| 76                                       | 4.931 | 5.116 | 5.300 | 5.485 | 5.668 | 5.852 | 6.035 | 6.217 | 6.399 | 6.581 | 6.763 | 6.944 | 7.125 |
| 78                                       | 5.186 | 5.381 | 5.575 | 5.769 | 5.962 | 6.155 | 6.347 | 6.539 | 6.731 | 6.922 | 7.113 | 7.304 | 7.494 |
| 80                                       | 5.448 | 5.653 | 5.857 | 6.060 | 6.263 | 6.465 | 6.668 | 6.869 | 7.071 | 7.272 | 7.472 | 7.673 | 7.872 |

续表40

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21     | 22     | 23     | 24     | 25     | 26     |
|------------------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 82                                       | 3.539 | 3.760 | 3.980 | 4.199 | 4.418 | 4.636 | 4.853  | 5.070  | 5.286  | 5.501  | 5.716  | 5.931  |
| 84                                       | 3.708 | 3.940 | 4.171 | 4.401 | 4.630 | 4.858 | 5.086  | 5.313  | 5.540  | 5.765  | 5.991  | 6.215  |
| 86                                       | 3.882 | 4.125 | 4.366 | 4.607 | 4.847 | 5.086 | 5.324  | 5.562  | 5.799  | 6.035  | 6.271  | 6.506  |
| 88                                       | 4.060 | 4.313 | 4.566 | 4.818 | 5.068 | 5.318 | 5.568  | 5.816  | 6.064  | 6.311  | 6.558  | 6.804  |
| 90                                       | 4.241 | 4.506 | 4.770 | 5.033 | 5.295 | 5.556 | 5.817  | 6.076  | 6.335  | 6.593  | 6.851  | 7.108  |
| 92                                       | 4.426 | 4.703 | 4.978 | 5.253 | 5.526 | 5.799 | 6.071  | 6.342  | 6.612  | 6.881  | 7.150  | 7.418  |
| 94                                       | 4.615 | 4.904 | 5.191 | 5.477 | 5.762 | 6.046 | 6.330  | 6.612  | 6.894  | 7.175  | 7.456  | 7.735  |
| 96                                       | 4.808 | 5.109 | 5.408 | 5.706 | 6.003 | 6.299 | 6.594  | 6.889  | 7.182  | 7.475  | 7.767  | 8.059  |
| 98                                       | 5.005 | 5.318 | 5.629 | 5.939 | 6.249 | 6.557 | 6.864  | 7.171  | 7.476  | 7.781  | 8.085  | 8.388  |
| 100                                      | 5.206 | 5.531 | 5.855 | 6.177 | 6.499 | 6.820 | 7.139  | 7.458  | 7.776  | 8.093  | 8.409  | 8.725  |
| 102                                      | 5.410 | 5.748 | 6.085 | 6.420 | 6.754 | 7.088 | 7.420  | 7.751  | 8.081  | 8.411  | 8.739  | 9.067  |
| 104                                      | 5.618 | 5.969 | 6.319 | 6.667 | 7.014 | 7.360 | 7.705  | 8.049  | 8.392  | 8.735  | 9.076  | 9.416  |
| 106                                      | 5.830 | 6.194 | 6.557 | 6.919 | 7.279 | 7.638 | 7.996  | 8.353  | 8.709  | 9.064  | 9.418  | 9.772  |
| 108                                      | 6.046 | 6.424 | 6.800 | 7.175 | 7.549 | 7.921 | 8.292  | 8.662  | 9.032  | 9.400  | 9.767  | 10.133 |
| 110                                      | 6.266 | 6.657 | 7.047 | 7.436 | 7.823 | 8.209 | 8.594  | 8.977  | 9.360  | 9.741  | 10.122 | 10.502 |
| 112                                      | 6.489 | 6.895 | 7.299 | 7.701 | 8.102 | 8.502 | 8.900  | 9.297  | 9.694  | 10.089 | 10.483 | 10.876 |
| 114                                      | 6.717 | 7.136 | 7.554 | 7.971 | 8.386 | 8.799 | 9.212  | 9.623  | 10.033 | 10.442 | 10.850 | 11.257 |
| 116                                      | 6.948 | 7.382 | 7.814 | 8.245 | 8.674 | 9.102 | 9.529  | 9.954  | 10.378 | 10.801 | 11.223 | 11.644 |
| 118                                      | 7.183 | 7.631 | 8.078 | 8.524 | 8.967 | 9.410 | 9.851  | 10.291 | 10.729 | 11.167 | 11.603 | 12.038 |
| 120                                      | 7.421 | 7.885 | 8.347 | 8.807 | 9.265 | 9.723 | 10.178 | 10.633 | 11.086 | 11.538 | 11.988 | 12.438 |

续表40

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                         | 6.145  | 6.358  | 6.571  | 6.784  | 6.996  | 7.207  | 7.419  | 7.629  | 7.840  | 8.050  | 8.260  |
| 84                                         | 6.440  | 6.663  | 6.886  | 7.109  | 7.331  | 7.553  | 7.775  | 7.996  | 8.216  | 8.436  | 8.656  |
| 86                                         | 6.741  | 6.975  | 7.209  | 7.442  | 7.675  | 7.907  | 8.139  | 8.370  | 8.601  | 8.831  | 9.062  |
| 88                                         | 7.049  | 7.294  | 7.539  | 7.782  | 8.026  | 8.268  | 8.511  | 8.753  | 8.994  | 9.235  | 9.476  |
| 90                                         | 7.364  | 7.620  | 7.875  | 8.130  | 8.384  | 8.638  | 8.891  | 9.144  | 9.396  | 9.648  | 9.899  |
| 92                                         | 7.686  | 7.953  | 8.219  | 8.485  | 8.750  | 9.015  | 9.279  | 9.543  | 9.806  | 10.069 | 10.332 |
| 94                                         | 8.014  | 8.293  | 8.570  | 8.848  | 9.124  | 9.400  | 9.676  | 9.951  | 10.225 | 10.499 | 10.773 |
| 96                                         | 8.349  | 8.639  | 8.929  | 9.217  | 9.506  | 9.793  | 10.080 | 10.367 | 10.653 | 10.938 | 11.223 |
| 98                                         | 8.691  | 8.993  | 9.294  | 9.595  | 9.895  | 10.194 | 10.493 | 10.791 | 11.089 | 11.386 | 11.683 |
| 100                                        | 9.039  | 9.353  | 9.667  | 9.979  | 10.291 | 10.602 | 10.913 | 11.223 | 11.533 | 11.842 | 12.151 |
| 102                                        | 9.394  | 9.721  | 10.046 | 10.371 | 10.695 | 11.019 | 11.342 | 11.664 | 11.986 | 12.307 | 12.628 |
| 104                                        | 9.756  | 10.095 | 10.433 | 10.770 | 11.107 | 11.443 | 11.778 | 12.113 | 12.447 | 12.781 | 13.114 |
| 106                                        | 10.124 | 10.476 | 10.827 | 11.177 | 11.526 | 11.875 | 12.223 | 12.570 | 12.917 | 13.263 | 13.609 |
| 108                                        | 10.499 | 10.864 | 11.227 | 11.591 | 11.953 | 12.315 | 12.676 | 13.036 | 13.395 | 13.754 | 14.113 |
| 110                                        | 10.880 | 11.258 | 11.635 | 12.012 | 12.387 | 12.762 | 13.136 | 13.509 | 13.882 | 14.254 | 14.626 |
| 112                                        | 11.268 | 11.660 | 12.050 | 12.440 | 12.829 | 13.217 | 13.605 | 13.991 | 14.377 | 14.763 | 15.149 |
| 114                                        | 11.663 | 12.068 | 12.472 | 12.876 | 13.278 | 13.680 | 14.081 | 14.481 | 14.881 | 15.280 | 15.678 |
| 116                                        | 12.064 | 12.483 | 12.902 | 13.319 | 13.735 | 14.151 | 14.566 | 14.980 | 15.393 | 15.805 | 16.217 |
| 118                                        | 12.472 | 12.906 | 13.338 | 13.769 | 14.200 | 14.629 | 15.058 | 15.486 | 15.913 | 16.340 | 16.766 |
| 120                                        | 12.887 | 13.334 | 13.781 | 14.227 | 14.671 | 15.115 | 15.558 | 16.001 | 16.442 | 16.883 | 17.323 |



## 四十二、油松二元立木材积表

$$V = 0.000066492455 D^{1.8655617} H^{0.93768879}$$

表41

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |       |
| 4                                         | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 |       |       |       |
| 6                                         | 0.004 | 0.005 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 | 0.022 |
| 8                                         | 0.006 | 0.009 | 0.012 | 0.015 | 0.017 | 0.020 | 0.023 | 0.025 | 0.028 | 0.030 | 0.033 | 0.036 | 0.038 |
| 10                                        |       | 0.014 | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.046 | 0.050 | 0.054 | 0.058 |
| 12                                        |       | 0.019 | 0.025 | 0.031 | 0.037 | 0.043 | 0.048 | 0.054 | 0.059 | 0.065 | 0.070 | 0.076 | 0.081 |
| 14                                        |       |       | 0.034 | 0.041 | 0.049 | 0.057 | 0.064 | 0.072 | 0.079 | 0.087 | 0.094 | 0.101 | 0.109 |
| 16                                        |       |       | 0.043 | 0.053 | 0.063 | 0.073 | 0.082 | 0.092 | 0.102 | 0.111 | 0.121 | 0.130 | 0.139 |
| 18                                        |       |       |       | 0.066 | 0.078 | 0.091 | 0.103 | 0.115 | 0.127 | 0.138 | 0.150 | 0.162 | 0.173 |
| 20                                        |       |       |       | 0.080 | 0.095 | 0.110 | 0.125 | 0.140 | 0.154 | 0.168 | 0.183 | 0.197 | 0.211 |
| 22                                        |       |       |       |       | 0.114 | 0.132 | 0.149 | 0.167 | 0.184 | 0.201 | 0.218 | 0.235 | 0.252 |
| 24                                        |       |       |       |       | 0.134 | 0.155 | 0.176 | 0.196 | 0.216 | 0.237 | 0.257 | 0.277 | 0.297 |
| 26                                        |       |       |       |       |       | 0.180 | 0.204 | 0.228 | 0.251 | 0.275 | 0.298 | 0.321 | 0.345 |
| 28                                        |       |       |       |       |       | 0.207 | 0.234 | 0.261 | 0.289 | 0.316 | 0.342 | 0.369 | 0.396 |
| 30                                        |       |       |       |       |       | 0.235 | 0.266 | 0.297 | 0.328 | 0.359 | 0.389 | 0.420 | 0.450 |
| 32                                        |       |       |       |       |       |       | 0.300 | 0.335 | 0.370 | 0.405 | 0.439 | 0.473 | 0.507 |
| 34                                        |       |       |       |       |       |       | 0.336 | 0.376 | 0.415 | 0.453 | 0.492 | 0.530 | 0.568 |
| 36                                        |       |       |       |       |       |       |       |       | 0.461 | 0.504 | 0.547 | 0.590 | 0.632 |
| 38                                        |       |       |       |       |       |       |       |       | 0.510 | 0.558 | 0.605 | 0.652 | 0.699 |
| 40                                        |       |       |       |       |       |       |       |       |       | 0.614 | 0.666 | 0.718 | 0.770 |

续表 41

| $V \backslash D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                | 0.041 | 0.043 | 0.046 |       |       |       |       |       |       |       |       |       |       |
| 10               | 0.062 | 0.066 | 0.070 | 0.073 | 0.077 |       |       |       |       |       |       |       |       |
| 12               | 0.087 | 0.092 | 0.098 | 0.103 | 0.108 | 0.114 | 0.119 |       |       |       |       |       |       |
| 14               | 0.116 | 0.123 | 0.130 | 0.137 | 0.145 | 0.152 | 0.159 | 0.166 | 0.173 |       |       |       |       |
| 16               | 0.149 | 0.158 | 0.167 | 0.176 | 0.185 | 0.195 | 0.204 | 0.213 | 0.222 | 0.231 | 0.240 |       |       |
| 18               | 0.185 | 0.197 | 0.208 | 0.220 | 0.231 | 0.242 | 0.254 | 0.265 | 0.276 | 0.288 | 0.299 | 0.310 |       |
| 20               | 0.225 | 0.239 | 0.253 | 0.267 | 0.281 | 0.295 | 0.309 | 0.323 | 0.336 | 0.350 | 0.364 | 0.377 | 0.391 |
| 22               | 0.269 | 0.286 | 0.303 | 0.319 | 0.336 | 0.352 | 0.369 | 0.385 | 0.402 | 0.418 | 0.434 | 0.451 | 0.467 |
| 24               | 0.317 | 0.336 | 0.356 | 0.376 | 0.395 | 0.415 | 0.434 | 0.453 | 0.473 | 0.492 | 0.511 | 0.530 | 0.549 |
| 26               | 0.368 | 0.390 | 0.413 | 0.436 | 0.459 | 0.481 | 0.504 | 0.526 | 0.549 | 0.571 | 0.593 | 0.616 | 0.638 |
| 28               | 0.422 | 0.448 | 0.475 | 0.501 | 0.527 | 0.553 | 0.579 | 0.604 | 0.630 | 0.656 | 0.681 | 0.707 | 0.732 |
| 30               | 0.480 | 0.510 | 0.540 | 0.569 | 0.599 | 0.629 | 0.658 | 0.687 | 0.717 | 0.746 | 0.775 | 0.804 | 0.833 |
| 32               | 0.541 | 0.575 | 0.609 | 0.642 | 0.676 | 0.709 | 0.742 | 0.775 | 0.808 | 0.841 | 0.874 | 0.907 | 0.939 |
| 34               | 0.606 | 0.644 | 0.682 | 0.719 | 0.757 | 0.794 | 0.831 | 0.868 | 0.905 | 0.942 | 0.979 | 1.015 | 1.052 |
| 36               | 0.674 | 0.717 | 0.758 | 0.800 | 0.842 | 0.883 | 0.925 | 0.966 | 1.007 | 1.048 | 1.089 | 1.130 | 1.170 |
| 38               | 0.746 | 0.793 | 0.839 | 0.885 | 0.931 | 0.977 | 1.023 | 1.068 | 1.114 | 1.159 | 1.204 | 1.250 | 1.295 |
| 40               | 0.821 | 0.872 | 0.923 | 0.974 | 1.025 | 1.075 | 1.125 | 1.176 | 1.226 | 1.276 | 1.325 | 1.375 | 1.425 |

续表41

| $\begin{matrix} V & H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38 | 39 | 40 |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|
| 2                                        |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 4                                        |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 6                                        |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 8                                        |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 10                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 12                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 14                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 16                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 18                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 20                                       |       |       |       |       |       |       |       |       |       |       |    |    |    |
| 22                                       | 0.483 |       |       |       |       |       |       |       |       |       |    |    |    |
| 24                                       | 0.568 | 0.587 |       |       |       |       |       |       |       |       |    |    |    |
| 26                                       | 0.660 | 0.682 | 0.704 |       |       |       |       |       |       |       |    |    |    |
| 28                                       | 0.758 | 0.783 | 0.808 | 0.834 |       |       |       |       |       |       |    |    |    |
| 30                                       | 0.862 | 0.891 | 0.919 | 0.948 | 0.977 |       |       |       |       |       |    |    |    |
| 32                                       | 0.972 | 1.005 | 1.037 | 1.069 | 1.102 | 1.134 |       |       |       |       |    |    |    |
| 34                                       | 1.088 | 1.125 | 1.161 | 1.197 | 1.234 | 1.270 | 1.306 |       |       |       |    |    |    |
| 36                                       | 1.211 | 1.251 | 1.292 | 1.332 | 1.373 | 1.413 | 1.453 | 1.493 |       |       |    |    |    |
| 38                                       | 1.339 | 1.384 | 1.429 | 1.474 | 1.518 | 1.563 | 1.607 | 1.651 | 1.695 |       |    |    |    |
| 40                                       | 1.474 | 1.523 | 1.573 | 1.622 | 1.671 | 1.720 | 1.768 | 1.817 | 1.866 | 1.914 |    |    |    |

续表41

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.899 | 0.955 | 1.011 | 1.067 | 1.122 | 1.178 | 1.233 | 1.288 | 1.343 | 1.397 | 1.452 | 1.506 | 1.560 |
| 44                                        | 0.981 | 1.042 | 1.103 | 1.164 | 1.224 | 1.284 | 1.345 | 1.404 | 1.464 | 1.524 | 1.583 | 1.643 | 1.702 |
| 46                                        | 1.066 | 1.132 | 1.198 | 1.264 | 1.330 | 1.395 | 1.461 | 1.526 | 1.591 | 1.656 | 1.720 | 1.785 | 1.849 |
| 48                                        | 1.154 | 1.226 | 1.297 | 1.369 | 1.440 | 1.511 | 1.581 | 1.652 | 1.722 | 1.792 | 1.862 | 1.932 | 2.002 |
| 50                                        | 1.245 | 1.322 | 1.400 | 1.477 | 1.554 | 1.630 | 1.707 | 1.783 | 1.859 | 1.934 | 2.010 | 2.085 | 2.160 |
| 52                                        | 1.339 | 1.423 | 1.506 | 1.589 | 1.672 | 1.754 | 1.836 | 1.918 | 2.000 | 2.081 | 2.162 | 2.243 | 2.324 |
| 54                                        |       | 1.527 | 1.616 | 1.705 | 1.794 | 1.882 | 1.970 | 2.058 | 2.146 | 2.233 | 2.320 | 2.407 | 2.494 |
| 56                                        |       | 1.634 | 1.729 | 1.825 | 1.920 | 2.014 | 2.108 | 2.202 | 2.296 | 2.390 | 2.483 | 2.576 | 2.669 |
| 58                                        |       |       |       | 1.948 | 2.049 | 2.150 | 2.251 | 2.351 | 2.452 | 2.551 | 2.651 | 2.750 | 2.849 |
| 60                                        |       |       |       | 2.075 | 2.183 | 2.291 | 2.398 | 2.505 | 2.612 | 2.718 | 2.824 | 2.930 | 3.035 |
| 62                                        |       |       |       |       | 2.321 | 2.435 | 2.549 | 2.663 | 2.776 | 2.889 | 3.002 | 3.115 | 3.227 |
| 64                                        |       |       |       |       | 2.463 | 2.584 | 2.705 | 2.825 | 2.946 | 3.066 | 3.185 | 3.305 | 3.424 |
| 66                                        |       |       |       |       |       |       | 2.865 | 2.992 | 3.120 | 3.247 | 3.373 | 3.500 | 3.626 |
| 68                                        |       |       |       |       |       |       | 3.029 | 3.164 | 3.298 | 3.433 | 3.567 | 3.700 | 3.834 |
| 70                                        |       |       |       |       |       |       | 3.197 | 3.340 | 3.482 | 3.623 | 3.765 | 3.906 | 4.047 |

续表 41

| $\begin{matrix} V & H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 1.614 | 1.668 | 1.722 | 1.776 | 1.830 | 1.883 | 1.937 | 1.990 | 2.043 | 2.097 | 2.150 | 2.203 | 2.256 |
| 44                                       | 1.761 | 1.820 | 1.879 | 1.937 | 1.996 | 2.054 | 2.112 | 2.171 | 2.229 | 2.287 | 2.345 | 2.402 | 2.460 |
| 46                                       | 1.913 | 1.977 | 2.041 | 2.105 | 2.168 | 2.232 | 2.295 | 2.358 | 2.421 | 2.484 | 2.547 | 2.610 | 2.673 |
| 48                                       | 2.071 | 2.140 | 2.210 | 2.279 | 2.347 | 2.416 | 2.485 | 2.553 | 2.622 | 2.690 | 2.758 | 2.826 | 2.894 |
| 50                                       | 2.235 | 2.310 | 2.384 | 2.459 | 2.533 | 2.607 | 2.681 | 2.755 | 2.829 | 2.903 | 2.976 | 3.050 | 3.123 |
| 52                                       | 2.405 | 2.485 | 2.565 | 2.646 | 2.725 | 2.805 | 2.885 | 2.964 | 3.044 | 3.123 | 3.202 | 3.281 | 3.360 |
| 54                                       | 2.580 | 2.666 | 2.753 | 2.839 | 2.924 | 3.010 | 3.095 | 3.181 | 3.266 | 3.351 | 3.436 | 3.520 | 3.605 |
| 56                                       | 2.761 | 2.854 | 2.946 | 3.038 | 3.130 | 3.221 | 3.313 | 3.404 | 3.495 | 3.586 | 3.677 | 3.767 | 3.858 |
| 58                                       | 2.948 | 3.047 | 3.145 | 3.243 | 3.341 | 3.439 | 3.537 | 3.634 | 3.732 | 3.829 | 3.926 | 4.022 | 4.119 |
| 60                                       | 3.141 | 3.246 | 3.350 | 3.455 | 3.559 | 3.664 | 3.768 | 3.871 | 3.975 | 4.079 | 4.182 | 4.285 | 4.388 |
| 62                                       | 3.339 | 3.450 | 3.562 | 3.673 | 3.784 | 3.895 | 4.005 | 4.116 | 4.226 | 4.336 | 4.446 | 4.555 | 4.665 |
| 64                                       | 3.542 | 3.661 | 3.779 | 3.897 | 4.015 | 4.132 | 4.250 | 4.367 | 4.484 | 4.600 | 4.717 | 4.833 | 4.949 |
| 66                                       | 3.752 | 3.877 | 4.002 | 4.127 | 4.252 | 4.377 | 4.501 | 4.625 | 4.749 | 4.872 | 4.996 | 5.119 | 5.242 |
| 68                                       | 3.967 | 4.099 | 4.232 | 4.364 | 4.496 | 4.627 | 4.759 | 4.890 | 5.021 | 5.151 | 5.282 | 5.412 | 5.542 |
| 70                                       | 4.187 | 4.327 | 4.467 | 4.606 | 4.745 | 4.884 | 5.023 | 5.161 | 5.300 | 5.438 | 5.575 | 5.713 | 5.850 |

## 四十三、华山松二元立木材积表

$$V = 0.000059973839 D^{1.8334312} H^{1.0295315}$$

表42

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.009 |       |       |       |
| 6                                      | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.012 | 0.014 | 0.015 | 0.017 | 0.019 | 0.021 | 0.022 |       |
| 8                                      |       | 0.008 | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.026 | 0.029 | 0.032 | 0.035 | 0.038 | 0.041 |
| 10                                     |       | 0.013 | 0.017 | 0.021 | 0.026 | 0.030 | 0.035 | 0.039 | 0.044 | 0.048 | 0.053 | 0.057 | 0.062 |
| 12                                     |       |       | 0.024 | 0.030 | 0.036 | 0.042 | 0.049 | 0.055 | 0.061 | 0.067 | 0.074 | 0.080 | 0.086 |
| 14                                     |       |       | 0.032 | 0.040 | 0.048 | 0.056 | 0.064 | 0.073 | 0.081 | 0.089 | 0.098 | 0.106 | 0.115 |
| 16                                     |       |       |       | 0.051 | 0.061 | 0.072 | 0.082 | 0.093 | 0.104 | 0.114 | 0.125 | 0.136 | 0.146 |
| 18                                     |       |       |       | 0.063 | 0.076 | 0.089 | 0.102 | 0.115 | 0.129 | 0.142 | 0.155 | 0.168 | 0.182 |
| 20                                     |       |       |       |       | 0.092 | 0.108 | 0.124 | 0.140 | 0.156 | 0.172 | 0.188 | 0.204 | 0.220 |
| 22                                     |       |       |       |       | 0.110 | 0.129 | 0.148 | 0.167 | 0.186 | 0.205 | 0.224 | 0.243 | 0.263 |
| 24                                     |       |       |       |       |       | 0.151 | 0.173 | 0.195 | 0.218 | 0.240 | 0.263 | 0.285 | 0.308 |
| 26                                     |       |       |       |       |       | 0.175 | 0.200 | 0.226 | 0.252 | 0.278 | 0.304 | 0.330 | 0.357 |
| 28                                     |       |       |       |       |       |       | 0.230 | 0.259 | 0.289 | 0.319 | 0.349 | 0.379 | 0.409 |
| 30                                     |       |       |       |       |       |       | 0.261 | 0.294 | 0.328 | 0.362 | 0.396 | 0.430 | 0.464 |

续表 42

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        | 0.044 |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       | 0.066 | 0.071 | 0.076 |       |       |       |       |       |       |       |       |       |       |
| 12                                       | 0.093 | 0.099 | 0.106 | 0.112 | 0.118 |       |       |       |       |       |       |       |       |
| 14                                       | 0.123 | 0.132 | 0.140 | 0.148 | 0.157 | 0.165 | 0.174 |       |       |       |       |       |       |
| 16                                       | 0.157 | 0.168 | 0.179 | 0.190 | 0.201 | 0.211 | 0.222 | 0.233 | 0.244 |       |       |       |       |
| 18                                       | 0.195 | 0.208 | 0.222 | 0.235 | 0.249 | 0.262 | 0.276 | 0.289 | 0.303 | 0.317 |       |       |       |
| 20                                       | 0.237 | 0.253 | 0.269 | 0.286 | 0.302 | 0.318 | 0.335 | 0.351 | 0.367 | 0.384 | 0.400 |       |       |
| 22                                       | 0.282 | 0.301 | 0.321 | 0.340 | 0.360 | 0.379 | 0.399 | 0.418 | 0.438 | 0.457 | 0.477 | 0.497 |       |
| 24                                       | 0.331 | 0.353 | 0.376 | 0.399 | 0.422 | 0.445 | 0.467 | 0.490 | 0.513 | 0.536 | 0.559 | 0.582 | 0.606 |
| 26                                       | 0.383 | 0.409 | 0.436 | 0.462 | 0.488 | 0.515 | 0.541 | 0.568 | 0.595 | 0.621 | 0.648 | 0.674 | 0.701 |
| 28                                       | 0.439 | 0.469 | 0.499 | 0.529 | 0.559 | 0.590 | 0.620 | 0.651 | 0.681 | 0.712 | 0.742 | 0.773 | 0.803 |
| 30                                       | 0.498 | 0.532 | 0.566 | 0.600 | 0.635 | 0.669 | 0.704 | 0.738 | 0.773 | 0.807 | 0.842 | 0.877 | 0.912 |

续表42

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                        | 0.369 | 0.407 | 0.445 | 0.483 | 0.522 | 0.560 | 0.599 | 0.637 | 0.676 | 0.715 | 0.753 | 0.792 | 0.831 | 0.870 |
| 34                                        | 0.412 | 0.455 | 0.498 | 0.540 | 0.583 | 0.626 | 0.669 | 0.712 | 0.755 | 0.799 | 0.842 | 0.885 | 0.929 | 0.972 |
| 36                                        | 0.458 | 0.505 | 0.553 | 0.600 | 0.648 | 0.695 | 0.743 | 0.791 | 0.839 | 0.887 | 0.935 | 0.983 | 1.031 | 1.080 |
| 38                                        | 0.506 | 0.558 | 0.610 | 0.663 | 0.715 | 0.768 | 0.820 | 0.873 | 0.926 | 0.979 | 1.032 | 1.086 | 1.139 | 1.192 |
| 40                                        |       | 0.613 | 0.670 | 0.728 | 0.786 | 0.843 | 0.901 | 0.959 | 1.018 | 1.076 | 1.134 | 1.193 | 1.251 | 1.310 |
| 42                                        |       | 0.670 | 0.733 | 0.796 | 0.859 | 0.922 | 0.986 | 1.049 | 1.113 | 1.177 | 1.240 | 1.304 | 1.368 | 1.432 |
| 44                                        |       |       | 0.798 | 0.867 | 0.936 | 1.004 | 1.073 | 1.143 | 1.212 | 1.281 | 1.351 | 1.420 | 1.490 | 1.560 |
| 46                                        |       |       | 0.866 | 0.940 | 1.015 | 1.090 | 1.165 | 1.240 | 1.315 | 1.390 | 1.465 | 1.541 | 1.617 | 1.692 |
| 48                                        |       |       |       | 1.017 | 1.097 | 1.178 | 1.259 | 1.340 | 1.421 | 1.503 | 1.584 | 1.666 | 1.748 | 1.830 |
| 50                                        |       |       |       | 1.096 | 1.183 | 1.270 | 1.357 | 1.444 | 1.532 | 1.620 | 1.707 | 1.795 | 1.884 | 1.972 |
| 52                                        |       |       |       |       | 1.271 | 1.364 | 1.458 | 1.552 | 1.646 | 1.740 | 1.835 | 1.929 | 2.024 | 2.119 |
| 54                                        |       |       |       |       | 1.362 | 1.462 | 1.563 | 1.663 | 1.764 | 1.865 | 1.966 | 2.068 | 2.169 | 2.271 |
| 56                                        |       |       |       |       |       | 1.563 | 1.670 | 1.778 | 1.886 | 1.994 | 2.102 | 2.210 | 2.319 | 2.427 |
| 58                                        |       |       |       |       |       | 1.667 | 1.781 | 1.896 | 2.011 | 2.126 | 2.241 | 2.357 | 2.473 | 2.588 |
| 60                                        |       |       |       |       |       |       | 1.896 | 2.018 | 2.140 | 2.263 | 2.385 | 2.508 | 2.631 | 2.754 |
| 62                                        |       |       |       |       |       |       | 2.013 | 2.143 | 2.273 | 2.403 | 2.533 | 2.664 | 2.794 | 2.925 |
| 64                                        |       |       |       |       |       |       |       | 2.271 | 2.409 | 2.547 | 2.685 | 2.823 | 2.962 | 3.100 |
| 66                                        |       |       |       |       |       |       |       | 2.403 | 2.549 | 2.695 | 2.841 | 2.987 | 3.134 | 3.280 |



续表42

| $\begin{matrix} V & H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                       | 0.909 | 0.948 | 0.987 | 1.026 | 1.065 | 1.104 | 1.144 | 1.183 |       |       |       |       |       |
| 34                                       | 1.016 | 1.059 | 1.103 | 1.147 | 1.190 | 1.234 | 1.278 | 1.322 | 1.366 |       |       |       |       |
| 36                                       | 1.128 | 1.176 | 1.225 | 1.273 | 1.322 | 1.371 | 1.419 | 1.468 | 1.517 | 1.566 |       |       |       |
| 38                                       | 1.246 | 1.299 | 1.353 | 1.406 | 1.460 | 1.513 | 1.567 | 1.621 | 1.675 | 1.729 | 1.783 |       |       |
| 40                                       | 1.368 | 1.427 | 1.486 | 1.545 | 1.604 | 1.663 | 1.722 | 1.781 | 1.840 | 1.899 | 1.959 | 2.018 |       |
| 42                                       | 1.496 | 1.561 | 1.625 | 1.689 | 1.754 | 1.818 | 1.883 | 1.948 | 2.012 | 2.077 | 2.142 | 2.207 | 2.272 |
| 44                                       | 1.630 | 1.700 | 1.770 | 1.840 | 1.910 | 1.980 | 2.051 | 2.121 | 2.191 | 2.262 | 2.333 | 2.403 | 2.474 |
| 46                                       | 1.768 | 1.844 | 1.920 | 1.996 | 2.072 | 2.148 | 2.225 | 2.301 | 2.377 | 2.454 | 2.531 | 2.607 | 2.684 |
| 48                                       | 1.911 | 1.994 | 2.076 | 2.158 | 2.240 | 2.323 | 2.405 | 2.488 | 2.570 | 2.653 | 2.736 | 2.819 | 2.902 |
| 50                                       | 2.060 | 2.148 | 2.237 | 2.326 | 2.414 | 2.503 | 2.592 | 2.681 | 2.770 | 2.859 | 2.949 | 3.038 | 3.127 |
| 52                                       | 2.214 | 2.309 | 2.404 | 2.499 | 2.594 | 2.690 | 2.785 | 2.881 | 2.977 | 3.073 | 3.168 | 3.264 | 3.360 |
| 54                                       | 2.372 | 2.474 | 2.576 | 2.678 | 2.780 | 2.883 | 2.985 | 3.087 | 3.190 | 3.293 | 3.395 | 3.498 | 3.601 |
| 56                                       | 2.536 | 2.645 | 2.754 | 2.863 | 2.972 | 3.081 | 3.191 | 3.300 | 3.410 | 3.520 | 3.630 | 3.739 | 3.850 |
| 58                                       | 2.704 | 2.820 | 2.937 | 3.053 | 3.169 | 3.286 | 3.403 | 3.520 | 3.637 | 3.754 | 3.871 | 3.988 | 4.105 |
| 60                                       | 2.878 | 3.001 | 3.125 | 3.249 | 3.373 | 3.497 | 3.621 | 3.745 | 3.870 | 3.994 | 4.119 | 4.244 | 4.369 |
| 62                                       | 3.056 | 3.187 | 3.319 | 3.450 | 3.582 | 3.713 | 3.845 | 3.977 | 4.109 | 4.242 | 4.374 | 4.507 | 4.639 |
| 64                                       | 3.239 | 3.378 | 3.517 | 3.657 | 3.796 | 3.936 | 4.076 | 4.216 | 4.356 | 4.496 | 4.636 | 4.777 | 4.917 |
| 66                                       | 3.427 | 3.574 | 3.722 | 3.869 | 4.017 | 4.164 | 4.312 | 4.460 | 4.609 | 4.757 | 4.905 | 5.054 | 5.203 |

## 四十四、西北地区落叶松二元立木材积表 (一)

$$K=0.000054381398 \quad D^{1.8288952} \quad H^{1.0666428}$$

表43

| $V$<br>$H$<br>$D$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 |
| 4                 | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 |
| 6                 |       | 0.005 | 0.006 | 0.008 | 0.010 | 0.011 | 0.013 | 0.015 | 0.017 | 0.019 | 0.020 | 0.022 |
| 8                 |       | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.022 | 0.025 | 0.028 | 0.031 | 0.035 | 0.038 |
| 10                |       |       | 0.016 | 0.020 | 0.025 | 0.029 | 0.034 | 0.038 | 0.043 | 0.047 | 0.052 | 0.057 |
| 12                |       |       | 0.022 | 0.028 | 0.035 | 0.041 | 0.047 | 0.053 | 0.060 | 0.066 | 0.072 | 0.079 |
| 14                |       |       |       | 0.038 | 0.046 | 0.054 | 0.062 | 0.071 | 0.079 | 0.088 | 0.096 | 0.105 |
| 16                |       |       |       | 0.048 | 0.059 | 0.069 | 0.080 | 0.090 | 0.101 | 0.112 | 0.123 | 0.134 |
| 18                |       |       |       | 0.060 | 0.073 | 0.086 | 0.099 | 0.112 | 0.125 | 0.139 | 0.152 | 0.166 |
| 20                |       |       |       | 0.073 | 0.088 | 0.104 | 0.120 | 0.136 | 0.152 | 0.168 | 0.185 | 0.201 |
| 22                |       |       |       |       | 0.105 | 0.124 | 0.143 | 0.162 | 0.181 | 0.200 | 0.220 | 0.239 |
| 24                |       |       |       |       | 0.123 | 0.145 | 0.167 | 0.189 | 0.212 | 0.235 | 0.258 | 0.280 |
| 26                |       |       |       |       | 0.142 | 0.168 | 0.193 | 0.219 | 0.245 | 0.272 | 0.298 | 0.325 |
| 28                |       |       |       |       | 0.163 | 0.192 | 0.222 | 0.251 | 0.281 | 0.311 | 0.341 | 0.372 |
| 30                |       |       |       |       |       | 0.218 | 0.251 | 0.285 | 0.319 | 0.353 | 0.387 | 0.422 |

续表 43

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          | 0.011 | 0.012 | 0.013 |       |       |       |       |       |       |       |       |       |
| 6                                          | 0.024 | 0.026 | 0.028 | 0.030 | 0.031 | 0.033 | 0.035 |       |       |       |       |       |
| 8                                          | 0.041 | 0.044 | 0.047 | 0.050 | 0.053 | 0.056 | 0.060 | 0.063 | 0.066 |       |       |       |
| 10                                         | 0.061 | 0.066 | 0.071 | 0.075 | 0.080 | 0.085 | 0.090 | 0.094 | 0.099 | 0.104 | 0.109 |       |
| 12                                         | 0.085 | 0.092 | 0.099 | 0.105 | 0.112 | 0.118 | 0.125 | 0.132 | 0.138 | 0.145 | 0.152 | 0.159 |
| 14                                         | 0.113 | 0.122 | 0.131 | 0.139 | 0.148 | 0.157 | 0.166 | 0.175 | 0.183 | 0.192 | 0.201 | 0.210 |
| 16                                         | 0.145 | 0.156 | 0.167 | 0.178 | 0.189 | 0.200 | 0.212 | 0.223 | 0.234 | 0.246 | 0.257 | 0.268 |
| 18                                         | 0.179 | 0.193 | 0.207 | 0.221 | 0.234 | 0.248 | 0.262 | 0.276 | 0.290 | 0.305 | 0.319 | 0.333 |
| 20                                         | 0.217 | 0.234 | 0.251 | 0.268 | 0.284 | 0.301 | 0.318 | 0.335 | 0.352 | 0.369 | 0.386 | 0.404 |
| 22                                         | 0.259 | 0.279 | 0.299 | 0.318 | 0.338 | 0.359 | 0.379 | 0.399 | 0.419 | 0.440 | 0.460 | 0.481 |
| 24                                         | 0.304 | 0.327 | 0.350 | 0.373 | 0.397 | 0.420 | 0.444 | 0.468 | 0.492 | 0.515 | 0.539 | 0.563 |
| 26                                         | 0.351 | 0.378 | 0.405 | 0.432 | 0.459 | 0.487 | 0.514 | 0.542 | 0.569 | 0.597 | 0.624 | 0.652 |
| 28                                         | 0.402 | 0.433 | 0.464 | 0.495 | 0.526 | 0.557 | 0.589 | 0.620 | 0.652 | 0.683 | 0.715 | 0.747 |
| 30                                         | 0.457 | 0.491 | 0.526 | 0.562 | 0.597 | 0.632 | 0.668 | 0.704 | 0.739 | 0.775 | 0.811 | 0.847 |

续表43

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.219 | 0.228 |       |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.280 | 0.291 | 0.303 | 0.314 |       |       |       |       |       |       |       |       |
| 18                                        | 0.347 | 0.361 | 0.376 | 0.390 | 0.404 |       |       |       |       |       |       |       |
| 20                                        | 0.421 | 0.438 | 0.456 | 0.473 | 0.490 | 0.508 |       |       |       |       |       |       |
| 22                                        | 0.501 | 0.522 | 0.542 | 0.563 | 0.584 | 0.604 | 0.625 |       |       |       |       |       |
| 24                                        | 0.587 | 0.612 | 0.636 | 0.660 | 0.684 | 0.709 | 0.733 | 0.758 | 0.782 |       |       |       |
| 26                                        | 0.680 | 0.708 | 0.736 | 0.764 | 0.792 | 0.820 | 0.849 | 0.877 | 0.905 | 0.934 |       |       |
| 28                                        | 0.779 | 0.811 | 0.843 | 0.875 | 0.907 | 0.940 | 0.972 | 1.004 | 1.037 | 1.069 | 1.102 |       |
| 30                                        | 0.884 | 0.920 | 0.956 | 0.993 | 1.029 | 1.066 | 1.103 | 1.139 | 1.176 | 1.213 | 1.250 | 1.287 |

续表 43

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                        | 0.245 | 0.283 | 0.321 | 0.359 | 0.397 | 0.436 | 0.475 | 0.514 | 0.553 | 0.592 | 0.632 | 0.672 |
| 34                                        |       | 0.316 | 0.358 | 0.401 | 0.444 | 0.487 | 0.530 | 0.574 | 0.618 | 0.662 | 0.706 | 0.750 |
| 36                                        |       | 0.351 | 0.398 | 0.445 | 0.493 | 0.541 | 0.589 | 0.637 | 0.686 | 0.735 | 0.784 | 0.833 |
| 38                                        |       |       | 0.439 | 0.491 | 0.544 | 0.597 | 0.650 | 0.703 | 0.757 | 0.811 | 0.865 | 0.920 |
| 40                                        |       |       |       | 0.540 | 0.597 | 0.655 | 0.714 | 0.773 | 0.832 | 0.891 | 0.950 | 1.010 |
| 42                                        |       |       |       |       | 0.653 | 0.717 | 0.781 | 0.845 | 0.909 | 0.974 | 1.039 | 1.104 |
| 44                                        |       |       |       |       | 0.711 | 0.780 | 0.850 | 0.920 | 0.990 | 1.061 | 1.131 | 1.202 |
| 46                                        |       |       |       |       |       | 0.846 | 0.922 | 0.998 | 1.074 | 1.150 | 1.227 | 1.304 |
| 48                                        |       |       |       |       |       | 0.915 | 0.996 | 1.078 | 1.161 | 1.243 | 1.327 | 1.410 |
| 50                                        |       |       |       |       |       |       | 1.074 | 1.162 | 1.251 | 1.340 | 1.429 | 1.519 |
| 52                                        |       |       |       |       |       |       | 1.154 | 1.248 | 1.344 | 1.439 | 1.536 | 1.632 |
| 54                                        |       |       |       |       |       |       |       | 1.338 | 1.440 | 1.542 | 1.645 | 1.749 |
| 56                                        |       |       |       |       |       |       |       | 1.430 | 1.539 | 1.648 | 1.759 | 1.869 |
| 58                                        |       |       |       |       |       |       |       |       | 1.641 | 1.758 | 1.875 | 1.993 |
| 60                                        |       |       |       |       |       |       |       |       | 1.746 | 1.870 | 1.995 | 2.120 |
| 62                                        |       |       |       |       |       |       |       |       |       | 1.986 | 2.118 | 2.252 |
| 64                                        |       |       |       |       |       |       |       |       |       | 2.104 | 2.245 | 2.386 |

续表 43

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32                                         | 0.712 | 0.752 | 0.792 | 0.832 | 0.872 | 0.913 | 0.953 | 0.994 | 1.035 | 1.076 | 1.117 | 1.158 |
| 34                                         | 0.795 | 0.840 | 0.885 | 0.930 | 0.975 | 1.020 | 1.065 | 1.111 | 1.156 | 1.202 | 1.248 | 1.294 |
| 36                                         | 0.883 | 0.932 | 0.982 | 1.032 | 1.082 | 1.132 | 1.183 | 1.233 | 1.284 | 1.335 | 1.386 | 1.437 |
| 38                                         | 0.974 | 1.029 | 1.084 | 1.139 | 1.195 | 1.250 | 1.306 | 1.361 | 1.417 | 1.473 | 1.530 | 1.586 |
| 40                                         | 1.070 | 1.130 | 1.191 | 1.251 | 1.312 | 1.373 | 1.434 | 1.495 | 1.557 | 1.618 | 1.680 | 1.742 |
| 42                                         | 1.170 | 1.236 | 1.302 | 1.368 | 1.434 | 1.501 | 1.568 | 1.635 | 1.702 | 1.769 | 1.837 | 1.904 |
| 44                                         | 1.274 | 1.346 | 1.417 | 1.489 | 1.562 | 1.634 | 1.707 | 1.780 | 1.853 | 1.926 | 1.999 | 2.074 |
| 46                                         | 1.382 | 1.459 | 1.537 | 1.616 | 1.694 | 1.773 | 1.852 | 1.931 | 2.010 | 2.090 | 2.169 | 2.249 |
| 48                                         | 1.494 | 1.578 | 1.662 | 1.746 | 1.831 | 1.916 | 2.002 | 2.087 | 2.173 | 2.259 | 2.345 | 2.431 |
| 50                                         | 1.609 | 1.700 | 1.791 | 1.882 | 1.973 | 2.065 | 2.157 | 2.249 | 2.341 | 2.434 | 2.527 | 2.620 |
| 52                                         | 1.729 | 1.826 | 1.924 | 2.022 | 2.120 | 2.218 | 2.317 | 2.416 | 2.515 | 2.615 | 2.715 | 2.815 |
| 54                                         | 1.853 | 1.957 | 2.061 | 2.166 | 2.271 | 2.377 | 2.483 | 2.589 | 2.695 | 2.802 | 2.909 | 3.016 |
| 56                                         | 1.980 | 2.091 | 2.203 | 2.315 | 2.428 | 2.540 | 2.653 | 2.767 | 2.880 | 2.994 | 3.109 | 3.223 |
| 58                                         | 2.111 | 2.230 | 2.349 | 2.469 | 2.589 | 2.709 | 2.829 | 2.950 | 3.071 | 3.193 | 3.315 | 3.437 |
| 60                                         | 2.246 | 2.373 | 2.499 | 2.627 | 2.754 | 2.882 | 3.010 | 3.139 | 3.268 | 3.397 | 3.527 | 3.656 |
| 62                                         | 2.385 | 2.519 | 2.654 | 2.789 | 2.924 | 3.060 | 3.196 | 3.333 | 3.470 | 3.607 | 3.745 | 3.882 |
| 64                                         | 2.528 | 2.670 | 2.813 | 2.956 | 3.099 | 3.243 | 3.387 | 3.532 | 3.677 | 3.823 | 3.968 | 4.115 |

续表43

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 32                                        | 1.199 | 1.241 | 1.282 | 1.324 | 1.365 | 1.407 | 1.449 |       |       |       |  |  |
| 34                                        | 1.340 | 1.386 | 1.432 | 1.479 | 1.525 | 1.572 | 1.618 | 1.665 |       |       |  |  |
| 36                                        | 1.488 | 1.539 | 1.590 | 1.642 | 1.693 | 1.745 | 1.797 | 1.849 |       |       |  |  |
| 38                                        | 1.642 | 1.699 | 1.756 | 1.812 | 1.869 | 1.926 | 1.983 | 2.041 | 2.098 |       |  |  |
| 40                                        | 1.804 | 1.866 | 1.928 | 1.991 | 2.053 | 2.116 | 2.179 | 2.241 | 2.304 |       |  |  |
| 42                                        | 1.972 | 2.040 | 2.108 | 2.176 | 2.245 | 2.313 | 2.382 | 2.451 | 2.519 |       |  |  |
| 44                                        | 2.147 | 2.221 | 2.295 | 2.370 | 2.444 | 2.519 | 2.593 | 2.668 | 2.743 | 2.818 |  |  |
| 46                                        | 2.329 | 2.409 | 2.490 | 2.570 | 2.651 | 2.732 | 2.813 | 2.894 | 2.975 | 3.057 |  |  |
| 48                                        | 2.518 | 2.604 | 2.691 | 2.778 | 2.866 | 2.953 | 3.041 | 3.128 | 3.216 | 3.304 |  |  |
| 50                                        | 2.713 | 2.806 | 2.900 | 2.994 | 3.088 | 3.182 | 3.276 | 3.371 | 3.466 | 3.561 |  |  |
| 52                                        | 2.915 | 3.015 | 3.116 | 3.216 | 3.317 | 3.419 | 3.520 | 3.622 | 3.723 | 3.825 |  |  |
| 54                                        | 3.123 | 3.231 | 3.338 | 3.446 | 3.555 | 3.663 | 3.772 | 3.880 | 3.989 | 4.099 |  |  |
| 56                                        | 3.338 | 3.453 | 3.568 | 3.683 | 3.799 | 3.915 | 4.031 | 4.147 | 4.264 | 4.381 |  |  |
| 58                                        | 3.559 | 3.682 | 3.804 | 3.928 | 4.051 | 4.174 | 4.298 | 4.422 | 4.546 | 4.671 |  |  |
| 60                                        | 3.787 | 3.917 | 4.048 | 4.179 | 4.310 | 4.441 | 4.573 | 4.705 | 4.837 | 4.970 |  |  |
| 62                                        | 4.021 | 4.159 | 4.298 | 4.437 | 4.576 | 4.716 | 4.856 | 4.996 | 5.136 | 5.277 |  |  |
| 64                                        | 4.261 | 4.408 | 4.555 | 4.702 | 4.850 | 4.998 | 5.146 | 5.295 | 5.443 | 5.592 |  |  |

四十五、西北地区落叶松二元立木材积表(二)

$$V = 0.000056427724 D^{1.7572497} H^{1.1057552}$$

表44

| $V$<br>$D \backslash H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |       |       |       |       |       |       |
| 4                       | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 |       |
| 6                       | 0.003 | 0.004 | 0.006 | 0.008 | 0.010 | 0.011 | 0.013 | 0.015 | 0.017 | 0.019 | 0.021 | 0.022 | 0.024 |
| 8                       |       | 0.007 | 0.010 | 0.013 | 0.016 | 0.019 | 0.022 | 0.025 | 0.028 | 0.031 | 0.034 | 0.037 | 0.040 |
| 10                      |       |       | 0.015 | 0.019 | 0.023 | 0.028 | 0.032 | 0.037 | 0.041 | 0.046 | 0.050 | 0.055 | 0.060 |
| 12                      |       |       | 0.021 | 0.026 | 0.032 | 0.038 | 0.044 | 0.050 | 0.057 | 0.063 | 0.069 | 0.076 | 0.082 |
| 14                      |       |       | 0.027 | 0.035 | 0.042 | 0.050 | 0.058 | 0.066 | 0.074 | 0.083 | 0.091 | 0.099 | 0.108 |
| 16                      |       |       |       | 0.044 | 0.053 | 0.063 | 0.073 | 0.084 | 0.094 | 0.104 | 0.115 | 0.126 | 0.136 |
| 18                      |       |       |       | 0.054 | 0.066 | 0.078 | 0.090 | 0.103 | 0.116 | 0.128 | 0.141 | 0.155 | 0.168 |
| 20                      |       |       |       | 0.065 | 0.079 | 0.094 | 0.109 | 0.124 | 0.139 | 0.155 | 0.170 | 0.186 | 0.202 |
| 22                      |       |       |       |       | 0.094 | 0.111 | 0.129 | 0.146 | 0.165 | 0.183 | 0.201 | 0.220 | 0.239 |
| 24                      |       |       |       |       | 0.109 | 0.129 | 0.150 | 0.171 | 0.192 | 0.213 | 0.235 | 0.256 | 0.278 |
| 26                      |       |       |       |       |       | 0.149 | 0.172 | 0.196 | 0.221 | 0.245 | 0.270 | 0.295 | 0.320 |
| 28                      |       |       |       |       |       | 0.169 | 0.196 | 0.224 | 0.251 | 0.279 | 0.307 | 0.336 | 0.365 |
| 30                      |       |       |       |       |       |       | 0.222 | 0.253 | 0.284 | 0.315 | 0.347 | 0.379 | 0.412 |
| 32                      |       |       |       |       |       |       | 0.248 | 0.283 | 0.318 | 0.353 | 0.389 | 0.425 | 0.461 |
| 34                      |       |       |       |       |       |       | 0.276 | 0.315 | 0.354 | 0.393 | 0.433 | 0.473 | 0.513 |
| 36                      |       |       |       |       |       |       |       | 0.348 | 0.391 | 0.434 | 0.478 | 0.522 | 0.567 |
| 38                      |       |       |       |       |       |       |       | 0.383 | 0.430 | 0.478 | 0.526 | 0.575 | 0.624 |
| 40                      |       |       |       |       |       |       |       |       | 0.470 | 0.523 | 0.575 | 0.629 | 0.682 |



续表 44

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.026 | 0.028 | 0.030 |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.044 | 0.047 | 0.050 | 0.053 | 0.057 | 0.060 | 0.063 |       |       |       |       |       |       |
| 10                                        | 0.064 | 0.069 | 0.074 | 0.079 | 0.084 | 0.089 | 0.093 | 0.098 | 0.103 | 0.108 |       |       |       |
| 12                                        | 0.089 | 0.095 | 0.102 | 0.109 | 0.115 | 0.122 | 0.129 | 0.136 | 0.142 | 0.149 | 0.156 | 0.163 |       |
| 14                                        | 0.116 | 0.125 | 0.134 | 0.142 | 0.151 | 0.160 | 0.169 | 0.178 | 0.187 | 0.196 | 0.205 | 0.214 | 0.223 |
| 16                                        | 0.147 | 0.158 | 0.169 | 0.180 | 0.191 | 0.202 | 0.214 | 0.225 | 0.236 | 0.248 | 0.259 | 0.270 | 0.282 |
| 18                                        | 0.181 | 0.194 | 0.208 | 0.221 | 0.235 | 0.249 | 0.263 | 0.277 | 0.290 | 0.304 | 0.318 | 0.333 | 0.347 |
| 20                                        | 0.218 | 0.234 | 0.250 | 0.267 | 0.283 | 0.299 | 0.316 | 0.333 | 0.350 | 0.366 | 0.383 | 0.400 | 0.417 |
| 22                                        | 0.258 | 0.277 | 0.296 | 0.315 | 0.335 | 0.354 | 0.374 | 0.393 | 0.413 | 0.433 | 0.453 | 0.473 | 0.493 |
| 24                                        | 0.300 | 0.322 | 0.345 | 0.367 | 0.390 | 0.413 | 0.435 | 0.458 | 0.482 | 0.505 | 0.528 | 0.551 | 0.575 |
| 26                                        | 0.345 | 0.371 | 0.397 | 0.423 | 0.449 | 0.475 | 0.501 | 0.528 | 0.554 | 0.581 | 0.608 | 0.635 | 0.662 |
| 28                                        | 0.394 | 0.423 | 0.452 | 0.481 | 0.511 | 0.541 | 0.571 | 0.601 | 0.631 | 0.662 | 0.692 | 0.723 | 0.754 |
| 30                                        | 0.444 | 0.477 | 0.510 | 0.543 | 0.577 | 0.611 | 0.644 | 0.679 | 0.713 | 0.747 | 0.782 | 0.816 | 0.851 |
| 32                                        | 0.498 | 0.534 | 0.571 | 0.609 | 0.646 | 0.684 | 0.722 | 0.760 | 0.798 | 0.837 | 0.875 | 0.914 | 0.953 |
| 34                                        | 0.554 | 0.594 | 0.636 | 0.677 | 0.719 | 0.761 | 0.803 | 0.845 | 0.888 | 0.931 | 0.974 | 1.017 | 1.060 |
| 36                                        | 0.612 | 0.657 | 0.703 | 0.749 | 0.795 | 0.841 | 0.888 | 0.935 | 0.982 | 1.029 | 1.077 | 1.124 | 1.172 |
| 38                                        | 0.673 | 0.723 | 0.773 | 0.823 | 0.874 | 0.925 | 0.976 | 1.028 | 1.080 | 1.132 | 1.184 | 1.236 | 1.289 |
| 40                                        | 0.737 | 0.791 | 0.846 | 0.901 | 0.957 | 1.012 | 1.068 | 1.125 | 1.182 | 1.238 | 1.296 | 1.353 | 1.411 |

续表44

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.232 |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.294 | 0.305 | 0.317 | 0.328 | 0.340 |       |       |       |       |       |       |       |       |
| 18                                        | 0.361 | 0.375 | 0.390 | 0.404 | 0.418 | 0.433 |       |       |       |       |       |       |       |
| 20                                        | 0.434 | 0.452 | 0.469 | 0.486 | 0.504 | 0.521 | 0.538 |       |       |       |       |       |       |
| 22                                        | 0.514 | 0.534 | 0.554 | 0.575 | 0.595 | 0.616 | 0.637 | 0.657 |       |       |       |       |       |
| 24                                        | 0.599 | 0.622 | 0.646 | 0.670 | 0.694 | 0.718 | 0.742 | 0.766 | 0.790 |       |       |       |       |
| 26                                        | 0.689 | 0.716 | 0.744 | 0.771 | 0.799 | 0.826 | 0.854 | 0.882 | 0.910 | 0.938 |       |       |       |
| 28                                        | 0.785 | 0.816 | 0.847 | 0.878 | 0.910 | 0.941 | 0.973 | 1.004 | 1.036 | 1.068 | 1.100 |       |       |
| 30                                        | 0.886 | 0.921 | 0.956 | 0.991 | 1.027 | 1.062 | 1.098 | 1.134 | 1.170 | 1.206 | 1.242 | 1.278 |       |
| 32                                        | 0.992 | 1.032 | 1.071 | 1.110 | 1.150 | 1.190 | 1.230 | 1.270 | 1.310 | 1.350 | 1.391 | 1.431 | 1.472 |
| 34                                        | 1.104 | 1.147 | 1.191 | 1.235 | 1.279 | 1.324 | 1.368 | 1.413 | 1.457 | 1.502 | 1.547 | 1.592 | 1.637 |
| 36                                        | 1.220 | 1.269 | 1.317 | 1.366 | 1.415 | 1.464 | 1.513 | 1.562 | 1.611 | 1.661 | 1.711 | 1.760 | 1.810 |
| 38                                        | 1.342 | 1.395 | 1.448 | 1.502 | 1.556 | 1.609 | 1.663 | 1.718 | 1.772 | 1.826 | 1.881 | 1.936 | 1.991 |
| 40                                        | 1.469 | 1.527 | 1.585 | 1.644 | 1.702 | 1.761 | 1.820 | 1.880 | 1.939 | 1.999 | 2.059 | 2.119 | 2.179 |

续表44

| <div> <div><math>V</math></div> <div><math>H</math></div> <div><math>D</math></div> </div> | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    |
|--------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                                                                            |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 42                                                                                         | 0.513 | 0.569 | 0.627 | 0.685 | 0.744 | 0.802 | 0.862 | 0.922 | 0.982 | 1.042 | 1.103 | 1.164 | 1.226 |
| 44                                                                                         | 0.556 | 0.618 | 0.680 | 0.743 | 0.807 | 0.871 | 0.935 | 1.000 | 1.065 | 1.131 | 1.197 | 1.263 | 1.330 |
| 46                                                                                         |       | 0.668 | 0.736 | 0.804 | 0.872 | 0.942 | 1.011 | 1.081 | 1.152 | 1.223 | 1.294 | 1.366 | 1.438 |
| 48                                                                                         |       | 0.720 | 0.793 | 0.866 | 0.940 | 1.015 | 1.090 | 1.165 | 1.241 | 1.318 | 1.395 | 1.472 | 1.550 |
| 50                                                                                         |       | 0.774 | 0.852 | 0.931 | 1.010 | 1.090 | 1.171 | 1.252 | 1.334 | 1.416 | 1.498 | 1.581 | 1.665 |
| 52                                                                                         |       |       | 0.913 | 0.997 | 1.082 | 1.168 | 1.254 | 1.341 | 1.429 | 1.517 | 1.605 | 1.694 | 1.784 |
| 54                                                                                         |       |       | 0.975 | 1.065 | 1.156 | 1.248 | 1.340 | 1.433 | 1.527 | 1.621 | 1.715 | 1.810 | 1.906 |
| 56                                                                                         |       |       | 1.039 | 1.136 | 1.233 | 1.330 | 1.429 | 1.528 | 1.627 | 1.728 | 1.829 | 1.930 | 2.032 |
| 58                                                                                         |       |       |       | 1.208 | 1.311 | 1.415 | 1.520 | 1.625 | 1.731 | 1.838 | 1.945 | 2.053 | 2.161 |
| 60                                                                                         |       |       |       | 1.282 | 1.392 | 1.502 | 1.613 | 1.725 | 1.837 | 1.950 | 2.064 | 2.179 | 2.294 |
| 62                                                                                         |       |       |       | 1.358 | 1.474 | 1.591 | 1.709 | 1.827 | 1.946 | 2.066 | 2.187 | 2.308 | 2.430 |
| 64                                                                                         |       |       |       |       | 1.559 | 1.682 | 1.807 | 1.932 | 2.058 | 2.185 | 2.312 | 2.440 | 2.569 |
| 66                                                                                         |       |       |       |       | 1.645 | 1.776 | 1.907 | 2.039 | 2.172 | 2.306 | 2.441 | 2.576 | 2.712 |
| 68                                                                                         |       |       |       |       | 1.734 | 1.871 | 2.010 | 2.149 | 2.289 | 2.430 | 2.572 | 2.715 | 2.858 |
| 70                                                                                         |       |       |       |       |       | 1.969 | 2.115 | 2.261 | 2.409 | 2.557 | 2.707 | 2.857 | 3.007 |

续表44

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.287 | 1.349 | 1.412 | 1.474 | 1.537 | 1.600 | 1.663 | 1.727 | 1.791 | 1.855 | 1.919 | 1.983 | 2.048 |
| 44                                        | 1.397 | 1.464 | 1.532 | 1.600 | 1.668 | 1.736 | 1.805 | 1.874 | 1.943 | 2.013 | 2.082 | 2.152 | 2.222 |
| 46                                        | 1.510 | 1.583 | 1.656 | 1.730 | 1.803 | 1.877 | 1.952 | 2.026 | 2.101 | 2.176 | 2.252 | 2.327 | 2.403 |
| 48                                        | 1.628 | 1.706 | 1.785 | 1.864 | 1.944 | 2.023 | 2.103 | 2.184 | 2.264 | 2.345 | 2.426 | 2.508 | 2.589 |
| 50                                        | 1.749 | 1.833 | 1.918 | 2.003 | 2.088 | 2.174 | 2.260 | 2.346 | 2.433 | 2.520 | 2.607 | 2.694 | 2.782 |
| 52                                        | 1.874 | 1.964 | 2.055 | 2.146 | 2.237 | 2.329 | 2.421 | 2.513 | 2.606 | 2.699 | 2.793 | 2.887 | 2.981 |
| 54                                        | 2.002 | 2.099 | 2.195 | 2.293 | 2.390 | 2.489 | 2.587 | 2.686 | 2.785 | 2.884 | 2.984 | 3.084 | 3.185 |
| 56                                        | 2.134 | 2.237 | 2.340 | 2.444 | 2.548 | 2.653 | 2.758 | 2.863 | 2.969 | 3.075 | 3.181 | 3.288 | 3.395 |
| 58                                        | 2.270 | 2.379 | 2.489 | 2.600 | 2.710 | 2.821 | 2.933 | 3.045 | 3.158 | 3.270 | 3.384 | 3.497 | 3.611 |
| 60                                        | 2.409 | 2.525 | 2.642 | 2.759 | 2.877 | 2.995 | 3.113 | 3.232 | 3.351 | 3.471 | 3.591 | 3.712 | 3.833 |
| 62                                        | 2.552 | 2.675 | 2.799 | 2.923 | 3.047 | 3.172 | 3.298 | 3.424 | 3.550 | 3.677 | 3.804 | 3.932 | 4.060 |
| 64                                        | 2.699 | 2.829 | 2.959 | 3.090 | 3.222 | 3.354 | 3.487 | 3.620 | 3.754 | 3.888 | 4.023 | 4.158 | 4.293 |
| 66                                        | 2.849 | 2.986 | 3.124 | 3.262 | 3.401 | 3.541 | 3.681 | 3.821 | 3.962 | 4.104 | 4.246 | 4.389 | 4.532 |
| 68                                        | 3.002 | 3.147 | 3.292 | 3.438 | 3.584 | 3.731 | 3.879 | 4.027 | 4.176 | 4.325 | 4.475 | 4.625 | 4.776 |
| 70                                        | 3.159 | 3.311 | 3.464 | 3.617 | 3.772 | 3.926 | 4.082 | 4.238 | 4.394 | 4.551 | 4.709 | 4.867 | 5.025 |

续表 44

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 2.113 | 2.178 | 2.243 | 2.308 | 2.374 | 2.439 | 2.505 |       |       |       |       |       |       |
| 44                                        | 2.293 | 2.363 | 2.434 | 2.505 | 2.576 | 2.647 | 2.719 | 2.790 |       |       |       |       |       |
| 46                                        | 2.479 | 2.555 | 2.632 | 2.708 | 2.785 | 2.862 | 2.940 | 3.017 |       |       |       |       |       |
| 48                                        | 2.671 | 2.754 | 2.836 | 2.919 | 3.002 | 3.085 | 3.168 | 3.251 |       |       |       |       |       |
| 50                                        | 2.870 | 2.958 | 3.047 | 3.136 | 3.225 | 3.314 | 3.403 | 3.493 | 3.583 |       |       |       |       |
| 52                                        | 3.075 | 3.169 | 3.264 | 3.359 | 3.455 | 3.550 | 3.646 | 3.742 | 3.839 |       |       |       |       |
| 54                                        | 3.286 | 3.387 | 3.488 | 3.590 | 3.692 | 3.794 | 3.896 | 3.999 | 4.102 |       |       |       |       |
| 56                                        | 3.503 | 3.610 | 3.718 | 3.827 | 3.935 | 4.044 | 4.153 | 4.263 | 4.373 |       |       |       |       |
| 58                                        | 3.725 | 3.840 | 3.955 | 4.070 | 4.186 | 4.302 | 4.418 | 4.534 | 4.651 |       |       |       |       |
| 60                                        | 3.954 | 4.076 | 4.198 | 4.320 | 4.443 | 4.566 | 4.689 | 4.812 | 4.936 | 5.061 |       |       |       |
| 62                                        | 4.189 | 4.317 | 4.447 | 4.576 | 4.706 | 4.836 | 4.967 | 5.098 | 5.229 | 5.361 |       |       |       |
| 64                                        | 4.429 | 4.565 | 4.702 | 4.839 | 4.976 | 5.114 | 5.252 | 5.390 | 5.529 | 5.668 | 5.808 |       |       |
| 66                                        | 4.675 | 4.819 | 4.963 | 5.108 | 5.253 | 5.398 | 5.544 | 5.690 | 5.836 | 5.983 | 6.130 | 6.278 |       |
| 68                                        | 4.927 | 5.078 | 5.230 | 5.383 | 5.535 | 5.689 | 5.842 | 5.996 | 6.151 | 6.305 | 6.461 | 6.616 |       |
| 70                                        | 5.184 | 5.344 | 5.504 | 5.664 | 5.825 | 5.986 | 6.148 | 6.310 | 6.472 | 6.635 | 6.798 | 6.962 | 7.126 |

续表44

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72                                        | 2.069 | 2.222 | 2.376 | 2.531 | 2.687 | 2.844 | 3.002 | 3.160 | 3.319 | 3.479 | 3.640 | 3.801 |
| 74                                        | 2.171 | 2.332 | 2.493 | 2.656 | 2.820 | 2.984 | 3.150 | 3.316 | 3.483 | 3.651 | 3.819 | 3.989 |
| 76                                        |       | 2.444 | 2.613 | 2.783 | 2.955 | 3.127 | 3.301 | 3.475 | 3.650 | 3.826 | 4.002 | 4.180 |
| 78                                        |       | 2.558 | 2.735 | 2.913 | 3.093 | 3.273 | 3.455 | 3.637 | 3.820 | 4.005 | 4.189 | 4.375 |
| 80                                        |       |       | 2.859 | 3.046 | 3.234 | 3.422 | 3.612 | 3.803 | 3.994 | 4.187 | 4.380 | 4.574 |
| 82                                        |       |       | 2.986 | 3.181 | 3.377 | 3.574 | 3.772 | 3.971 | 4.171 | 4.372 | 4.574 | 4.777 |
| 84                                        |       |       |       | 3.319 | 3.523 | 3.729 | 3.935 | 4.143 | 4.352 | 4.561 | 4.772 | 4.984 |
| 86                                        |       |       |       | 3.459 | 3.672 | 3.886 | 4.101 | 4.318 | 4.536 | 4.754 | 4.974 | 5.194 |
| 88                                        |       |       |       | 3.601 | 3.823 | 4.046 | 4.271 | 4.496 | 4.722 | 4.950 | 5.179 | 5.408 |
| 90                                        |       |       |       | 3.746 | 3.977 | 4.209 | 4.443 | 4.677 | 4.913 | 5.149 | 5.387 | 5.626 |
| 92                                        |       |       |       |       |       | 4.375 | 4.618 | 4.861 | 5.106 | 5.352 | 5.599 | 5.848 |
| 94                                        |       |       |       |       |       | 4.544 | 4.795 | 5.048 | 5.303 | 5.558 | 5.815 | 6.073 |
| 96                                        |       |       |       |       |       | 4.715 | 4.976 | 5.239 | 5.503 | 5.768 | 6.034 | 6.302 |
| 98                                        |       |       |       |       |       | 4.889 | 5.160 | 5.432 | 5.706 | 5.981 | 6.257 | 6.534 |
| 100                                       |       |       |       |       |       | 5.065 | 5.346 | 5.628 | 5.912 | 6.197 | 6.483 | 6.770 |

续表44

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37     | 38     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 72                                        | 3.963 | 4.126 | 4.289 | 4.453 | 4.617 | 4.782 | 4.948 | 5.114 | 5.280 | 5.447 | 5.615  | 5.783  |
| 74                                        | 4.159 | 4.329 | 4.500 | 4.672 | 4.845 | 5.018 | 5.192 | 5.366 | 5.541 | 5.716 | 5.892  | 6.068  |
| 76                                        | 4.358 | 4.537 | 4.716 | 4.897 | 5.077 | 5.259 | 5.441 | 5.623 | 5.806 | 5.990 | 6.174  | 6.359  |
| 78                                        | 4.562 | 4.749 | 4.937 | 5.125 | 5.314 | 5.504 | 5.695 | 5.886 | 6.078 | 6.270 | 6.463  | 6.656  |
| 80                                        | 4.769 | 4.965 | 5.161 | 5.358 | 5.556 | 5.755 | 5.954 | 6.154 | 6.354 | 6.555 | 6.757  | 6.959  |
| 82                                        | 4.981 | 5.185 | 5.390 | 5.596 | 5.803 | 6.010 | 6.218 | 6.427 | 6.636 | 6.846 | 7.056  | 7.268  |
| 84                                        | 5.196 | 5.409 | 5.623 | 5.838 | 6.054 | 6.270 | 6.487 | 6.705 | 6.923 | 7.142 | 7.362  | 7.582  |
| 86                                        | 5.415 | 5.638 | 5.861 | 6.084 | 6.309 | 6.535 | 6.761 | 6.988 | 7.215 | 7.444 | 7.672  | 7.902  |
| 88                                        | 5.639 | 5.870 | 6.102 | 6.335 | 6.569 | 6.804 | 7.039 | 7.276 | 7.513 | 7.750 | 7.989  | 8.228  |
| 90                                        | 5.866 | 6.106 | 6.348 | 6.591 | 6.834 | 7.078 | 7.323 | 7.569 | 7.815 | 8.063 | 8.311  | 8.559  |
| 92                                        | 6.097 | 6.347 | 6.598 | 6.850 | 7.103 | 7.357 | 7.611 | 7.867 | 8.123 | 8.380 | 8.638  | 8.896  |
| 94                                        | 6.332 | 6.591 | 6.852 | 7.114 | 7.377 | 7.640 | 7.905 | 8.170 | 8.436 | 8.703 | 8.971  | 9.239  |
| 96                                        | 6.570 | 6.840 | 7.110 | 7.382 | 7.655 | 7.928 | 8.202 | 8.478 | 8.754 | 9.031 | 9.309  | 9.587  |
| 98                                        | 6.813 | 7.092 | 7.373 | 7.654 | 7.937 | 8.221 | 8.505 | 8.791 | 9.077 | 9.364 | 9.652  | 9.941  |
| 100                                       | 7.059 | 7.348 | 7.639 | 7.931 | 8.224 | 8.518 | 8.812 | 9.108 | 9.405 | 9.702 | 10.001 | 10.300 |

续表44

| $\begin{matrix} H \\ V \\ D \end{matrix}$ | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 72                                        | 5.951  | 6.120  | 6.290  | 6.460  | 6.630  | 6.801  | 6.972  | 7.143  | 7.315  | 7.487  |        |        |
| 74                                        | 6.245  | 6.422  | 6.600  | 6.778  | 6.957  | 7.136  | 7.316  | 7.496  | 7.676  | 7.857  |        |        |
| 76                                        | 6.545  | 6.730  | 6.917  | 7.103  | 7.291  | 7.478  | 7.667  | 7.855  | 8.044  | 8.234  | 8.424  |        |
| 78                                        | 6.850  | 7.045  | 7.240  | 7.435  | 7.631  | 7.828  | 8.025  | 8.222  | 8.420  | 8.618  | 8.817  |        |
| 80                                        | 7.162  | 7.365  | 7.569  | 7.773  | 7.978  | 8.184  | 8.390  | 8.596  | 8.803  | 9.010  | 9.218  |        |
| 82                                        | 7.479  | 7.692  | 7.905  | 8.118  | 8.332  | 8.547  | 8.762  | 8.977  | 9.193  | 9.410  | 9.627  | 9.844  |
| 84                                        | 7.803  | 8.024  | 8.247  | 8.469  | 8.693  | 8.916  | 9.141  | 9.366  | 9.591  | 9.817  | 10.043 | 10.270 |
| 86                                        | 8.132  | 8.363  | 8.595  | 8.827  | 9.060  | 9.293  | 9.527  | 9.761  | 9.996  | 10.231 | 10.467 | 10.704 |
| 88                                        | 8.468  | 8.708  | 8.949  | 9.191  | 9.433  | 9.676  | 9.919  | 10.163 | 10.408 | 10.653 | 10.899 | 11.145 |
| 90                                        | 8.809  | 9.059  | 9.310  | 9.561  | 9.813  | 10.066 | 10.319 | 10.573 | 10.827 | 11.082 | 11.338 | 11.594 |
| 92                                        | 9.156  | 9.416  | 9.676  | 9.937  | 10.199 | 10.462 | 10.725 | 10.989 | 11.254 | 11.519 | 11.784 | 12.050 |
| 94                                        | 9.508  | 9.778  | 10.049 | 10.320 | 10.592 | 10.865 | 11.138 | 11.412 | 11.687 | 11.962 | 12.238 | 12.515 |
| 96                                        | 9.867  | 10.147 | 10.428 | 10.709 | 10.991 | 11.274 | 11.558 | 11.842 | 12.127 | 12.413 | 12.699 | 12.986 |
| 98                                        | 10.231 | 10.521 | 10.812 | 11.104 | 11.397 | 11.690 | 11.985 | 12.279 | 12.575 | 12.871 | 13.168 | 13.465 |
| 100                                       | 10.600 | 10.901 | 11.203 | 11.506 | 11.809 | 12.113 | 12.418 | 12.723 | 13.029 | 13.336 | 13.644 | 13.952 |



## 四十六、西北地区冷杉二元立木材积表

$$V = 0.00006699611 D^{1.8954737} H^{0.95288484}$$

表45

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |       |
| 4                                      | 0.002 | 0.003 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 | 0.010 | 0.011 | 0.011 |
| 6                                      | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.013 | 0.015 | 0.016 | 0.018 | 0.020 | 0.021 | 0.023 | 0.025 |
| 8                                      | 0.007 | 0.010 | 0.013 | 0.016 | 0.019 | 0.022 | 0.025 | 0.028 | 0.031 | 0.034 | 0.037 | 0.040 | 0.043 |
| 10                                     | 0.010 | 0.015 | 0.020 | 0.024 | 0.029 | 0.034 | 0.038 | 0.043 | 0.047 | 0.052 | 0.056 | 0.061 | 0.065 |
| 12                                     |       | 0.021 | 0.028 | 0.034 | 0.041 | 0.048 | 0.054 | 0.060 | 0.067 | 0.073 | 0.079 | 0.086 | 0.092 |
| 14                                     |       | 0.028 | 0.037 | 0.046 | 0.055 | 0.064 | 0.072 | 0.081 | 0.089 | 0.098 | 0.106 | 0.115 | 0.123 |
| 16                                     |       |       | 0.048 | 0.060 | 0.071 | 0.082 | 0.093 | 0.104 | 0.115 | 0.126 | 0.137 | 0.148 | 0.159 |
| 18                                     |       |       | 0.060 | 0.074 | 0.089 | 0.103 | 0.116 | 0.130 | 0.144 | 0.158 | 0.171 | 0.185 | 0.198 |
| 20                                     |       |       |       | 0.091 | 0.108 | 0.125 | 0.142 | 0.159 | 0.176 | 0.193 | 0.209 | 0.226 | 0.242 |
| 22                                     |       |       |       | 0.109 | 0.129 | 0.150 | 0.170 | 0.191 | 0.211 | 0.231 | 0.251 | 0.270 | 0.290 |
| 24                                     |       |       |       | 0.128 | 0.153 | 0.177 | 0.201 | 0.225 | 0.248 | 0.272 | 0.296 | 0.319 | 0.342 |
| 26                                     |       |       |       |       | 0.178 | 0.206 | 0.234 | 0.262 | 0.289 | 0.317 | 0.344 | 0.371 | 0.398 |
| 28                                     |       |       |       |       | 0.204 | 0.237 | 0.269 | 0.301 | 0.333 | 0.364 | 0.396 | 0.427 | 0.459 |
| 30                                     |       |       |       |       | 0.233 | 0.270 | 0.307 | 0.343 | 0.379 | 0.415 | 0.451 | 0.487 | 0.523 |
| 32                                     |       |       |       |       | 0.263 | 0.305 | 0.346 | 0.388 | 0.429 | 0.469 | 0.510 | 0.550 | 0.591 |
| 34                                     |       |       |       |       |       | 0.342 | 0.389 | 0.435 | 0.481 | 0.526 | 0.572 | 0.617 | 0.662 |
| 36                                     |       |       |       |       |       | 0.381 | 0.433 | 0.485 | 0.536 | 0.587 | 0.637 | 0.688 | 0.738 |
| 38                                     |       |       |       |       |       |       | 0.480 | 0.537 | 0.594 | 0.650 | 0.706 | 0.762 | 0.818 |
| 40                                     |       |       |       |       |       |       | 0.529 | 0.592 | 0.654 | 0.716 | 0.778 | 0.840 | 0.901 |

续表45

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          | 0.012 |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                          | 0.026 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                          | 0.046 | 0.048 | 0.051 | 0.054 | 0.057 | 0.060 |       |       |       |       |       |       |       |
| 10                                         | 0.070 | 0.074 | 0.078 | 0.083 | 0.087 | 0.091 | 0.096 | 0.100 |       |       |       |       |       |
| 12                                         | 0.098 | 0.105 | 0.111 | 0.117 | 0.123 | 0.129 | 0.135 | 0.142 | 0.148 | 0.154 | 0.160 |       |       |
| 14                                         | 0.132 | 0.140 | 0.148 | 0.157 | 0.165 | 0.173 | 0.181 | 0.190 | 0.198 | 0.206 | 0.214 | 0.222 | 0.230 |
| 16                                         | 0.170 | 0.180 | 0.191 | 0.202 | 0.212 | 0.223 | 0.234 | 0.244 | 0.255 | 0.265 | 0.276 | 0.286 | 0.297 |
| 18                                         | 0.212 | 0.225 | 0.239 | 0.252 | 0.265 | 0.279 | 0.292 | 0.305 | 0.318 | 0.332 | 0.345 | 0.358 | 0.371 |
| 20                                         | 0.259 | 0.275 | 0.292 | 0.308 | 0.324 | 0.340 | 0.357 | 0.373 | 0.389 | 0.405 | 0.421 | 0.437 | 0.453 |
| 22                                         | 0.310 | 0.330 | 0.349 | 0.369 | 0.388 | 0.408 | 0.427 | 0.447 | 0.466 | 0.485 | 0.504 | 0.524 | 0.543 |
| 24                                         | 0.366 | 0.389 | 0.412 | 0.435 | 0.458 | 0.481 | 0.504 | 0.527 | 0.549 | 0.572 | 0.595 | 0.618 | 0.640 |
| 26                                         | 0.425 | 0.452 | 0.479 | 0.506 | 0.533 | 0.560 | 0.586 | 0.613 | 0.639 | 0.666 | 0.692 | 0.719 | 0.745 |
| 28                                         | 0.490 | 0.521 | 0.552 | 0.583 | 0.613 | 0.644 | 0.675 | 0.705 | 0.736 | 0.766 | 0.797 | 0.827 | 0.857 |
| 30                                         | 0.558 | 0.593 | 0.629 | 0.664 | 0.699 | 0.734 | 0.769 | 0.804 | 0.839 | 0.873 | 0.908 | 0.943 | 0.977 |
| 32                                         | 0.631 | 0.671 | 0.711 | 0.750 | 0.790 | 0.830 | 0.869 | 0.909 | 0.948 | 0.987 | 1.026 | 1.065 | 1.104 |
| 34                                         | 0.708 | 0.752 | 0.797 | 0.842 | 0.886 | 0.931 | 0.975 | 1.019 | 1.063 | 1.107 | 1.151 | 1.195 | 1.239 |
| 36                                         | 0.788 | 0.838 | 0.888 | 0.938 | 0.988 | 1.037 | 1.087 | 1.136 | 1.185 | 1.234 | 1.283 | 1.332 | 1.381 |
| 38                                         | 0.874 | 0.929 | 0.984 | 1.039 | 1.094 | 1.149 | 1.204 | 1.258 | 1.313 | 1.367 | 1.421 | 1.476 | 1.530 |
| 40                                         | 0.963 | 1.024 | 1.085 | 1.145 | 1.206 | 1.266 | 1.327 | 1.387 | 1.447 | 1.507 | 1.567 | 1.626 | 1.686 |

续表45

| $V \backslash H$<br>$D$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                      | 0.239 | 0.247 | 0.255 |       |       |       |       |       |       |       |       |       |       |
| 16                      | 0.307 | 0.318 | 0.328 | 0.339 | 0.349 |       |       |       |       |       |       |       |       |
| 18                      | 0.384 | 0.397 | 0.410 | 0.423 | 0.436 | 0.449 | 0.462 |       |       |       |       |       |       |
| 20                      | 0.469 | 0.485 | 0.501 | 0.517 | 0.533 | 0.549 | 0.564 |       |       |       |       |       |       |
| 22                      | 0.562 | 0.581 | 0.600 | 0.619 | 0.638 | 0.657 | 0.676 | 0.695 | 0.714 |       |       |       |       |
| 24                      | 0.663 | 0.685 | 0.708 | 0.730 | 0.753 | 0.775 | 0.797 | 0.820 | 0.842 |       |       |       |       |
| 26                      | 0.771 | 0.798 | 0.824 | 0.850 | 0.876 | 0.902 | 0.928 | 0.954 | 0.980 | 1.006 | 1.032 |       |       |
| 28                      | 0.888 | 0.918 | 0.948 | 0.978 | 1.008 | 1.038 | 1.068 | 1.098 | 1.128 | 1.158 | 1.187 |       |       |
| 30                      | 1.012 | 1.046 | 1.080 | 1.115 | 1.149 | 1.183 | 1.217 | 1.251 | 1.285 | 1.319 | 1.353 | 1.387 |       |
| 32                      | 1.143 | 1.182 | 1.221 | 1.260 | 1.298 | 1.337 | 1.376 | 1.414 | 1.453 | 1.491 | 1.529 | 1.568 |       |
| 34                      | 1.282 | 1.326 | 1.370 | 1.413 | 1.457 | 1.500 | 1.543 | 1.586 | 1.630 | 1.673 | 1.716 | 1.759 | 1.802 |
| 36                      | 1.429 | 1.478 | 1.526 | 1.575 | 1.623 | 1.672 | 1.720 | 1.768 | 1.816 | 1.864 | 1.912 | 1.960 | 2.008 |
| 38                      | 1.583 | 1.637 | 1.691 | 1.745 | 1.798 | 1.852 | 1.905 | 1.959 | 2.012 | 2.065 | 2.118 | 2.171 | 2.225 |
| 40                      | 1.745 | 1.805 | 1.864 | 1.923 | 1.982 | 2.041 | 2.100 | 2.159 | 2.217 | 2.276 | 2.335 | 2.393 | 2.452 |

续表45

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.854 | 0.921 | 0.989 | 1.056 | 1.123 | 1.190 | 1.256 | 1.323 | 1.389 | 1.455 | 1.521 | 1.587 | 1.653 |
| 44                                        | 0.932 | 1.006 | 1.080 | 1.153 | 1.227 | 1.300 | 1.372 | 1.445 | 1.517 | 1.589 | 1.661 | 1.733 | 1.805 |
| 46                                        | 1.014 | 1.095 | 1.175 | 1.255 | 1.334 | 1.414 | 1.493 | 1.572 | 1.651 | 1.729 | 1.808 | 1.886 | 1.964 |
| 48                                        | 1.100 | 1.187 | 1.274 | 1.360 | 1.446 | 1.533 | 1.618 | 1.704 | 1.789 | 1.874 | 1.959 | 2.044 | 2.129 |
| 50                                        | 1.188 | 1.282 | 1.376 | 1.470 | 1.563 | 1.656 | 1.749 | 1.841 | 1.933 | 2.025 | 2.117 | 2.209 | 2.300 |
| 52                                        | 1.280 | 1.381 | 1.482 | 1.583 | 1.683 | 1.784 | 1.883 | 1.983 | 2.082 | 2.181 | 2.280 | 2.379 | 2.478 |
| 54                                        |       | 1.484 | 1.592 | 1.700 | 1.808 | 1.916 | 2.023 | 2.130 | 2.237 | 2.343 | 2.449 | 2.555 | 2.661 |
| 56                                        |       | 1.590 | 1.706 | 1.822 | 1.937 | 2.052 | 2.167 | 2.282 | 2.396 | 2.510 | 2.624 | 2.738 | 2.851 |
| 58                                        |       |       | 1.823 | 1.947 | 2.071 | 2.194 | 2.317 | 2.439 | 2.561 | 2.683 | 2.805 | 2.926 | 3.047 |
| 60                                        |       |       | 1.944 | 2.076 | 2.208 | 2.339 | 2.470 | 2.601 | 2.731 | 2.861 | 2.991 | 3.120 | 3.250 |
| 62                                        |       |       |       | 2.209 | 2.350 | 2.489 | 2.629 | 2.768 | 2.906 | 3.045 | 3.183 | 3.320 | 3.458 |
| 64                                        |       |       |       | 2.347 | 2.495 | 2.644 | 2.792 | 2.939 | 3.087 | 3.234 | 3.380 | 3.526 | 3.672 |
| 66                                        |       |       |       |       | 2.645 | 2.803 | 2.959 | 3.116 | 3.272 | 3.428 | 3.583 | 3.738 | 3.893 |
| 68                                        |       |       |       |       | 2.799 | 2.966 | 3.132 | 3.297 | 3.463 | 3.627 | 3.792 | 3.956 | 4.120 |
| 70                                        |       |       |       |       |       | 3.133 | 3.309 | 3.484 | 3.658 | 3.832 | 4.006 | 4.179 | 4.352 |
| 72                                        |       |       |       |       |       | 3.305 | 3.490 | 3.675 | 3.859 | 4.042 | 4.226 | 4.408 | 4.591 |
| 74                                        |       |       |       |       |       |       | 3.676 | 3.871 | 4.064 | 4.258 | 4.451 | 4.643 | 4.836 |
| 76                                        |       |       |       |       |       |       | 3.867 | 4.071 | 4.275 | 4.479 | 4.682 | 4.884 | 5.086 |
| 78                                        |       |       |       |       |       |       |       | 4.277 | 4.491 | 4.705 | 4.918 | 5.131 | 5.343 |
| 80                                        |       |       |       |       |       |       |       | 4.437 | 4.712 | 4.936 | 5.160 | 5.383 | 5.606 |

续表45

| $\begin{matrix} V & H \\ D \end{matrix}$ | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 1.718 | 1.784 | 1.849 | 1.914 | 1.979 | 2.044 | 2.109 | 2.174 | 2.239 | 2.303 | 2.368 | 2.432 | 2.497 |
| 44                                       | 1.877 | 1.948 | 2.020 | 2.091 | 2.162 | 2.233 | 2.304 | 2.374 | 2.445 | 2.516 | 2.586 | 2.657 | 2.727 |
| 46                                       | 2.042 | 2.119 | 2.197 | 2.275 | 2.352 | 2.429 | 2.506 | 2.583 | 2.660 | 2.737 | 2.813 | 2.890 | 2.966 |
| 48                                       | 2.213 | 2.297 | 2.382 | 2.466 | 2.549 | 2.633 | 2.717 | 2.800 | 2.884 | 2.967 | 3.050 | 3.133 | 3.216 |
| 50                                       | 2.391 | 2.482 | 2.573 | 2.664 | 2.755 | 2.845 | 2.935 | 3.025 | 3.116 | 3.205 | 3.295 | 3.385 | 3.474 |
| 52                                       | 2.576 | 2.674 | 2.772 | 2.870 | 2.967 | 3.065 | 3.162 | 3.259 | 3.356 | 3.453 | 3.550 | 3.646 | 3.743 |
| 54                                       | 2.767 | 2.872 | 2.977 | 3.082 | 3.187 | 3.292 | 3.396 | 3.501 | 3.605 | 3.709 | 3.813 | 3.916 | 4.020 |
| 56                                       | 2.964 | 3.077 | 3.190 | 3.302 | 3.415 | 3.527 | 3.639 | 3.750 | 3.862 | 3.974 | 4.085 | 4.196 | 4.307 |
| 58                                       | 3.168 | 3.289 | 3.409 | 3.529 | 3.649 | 3.769 | 3.889 | 4.008 | 4.128 | 4.247 | 4.366 | 4.485 | 4.603 |
| 60                                       | 3.378 | 3.507 | 3.636 | 3.764 | 3.892 | 4.019 | 4.147 | 4.274 | 4.402 | 4.529 | 4.656 | 4.782 | 4.909 |
| 62                                       | 3.595 | 3.732 | 3.869 | 4.005 | 4.141 | 4.277 | 4.413 | 4.549 | 4.684 | 4.819 | 4.954 | 5.089 | 5.224 |
| 64                                       | 3.818 | 3.963 | 4.109 | 4.253 | 4.398 | 4.543 | 4.687 | 4.831 | 4.974 | 5.118 | 5.261 | 5.405 | 5.548 |
| 66                                       | 4.047 | 4.201 | 4.355 | 4.509 | 4.662 | 4.815 | 4.968 | 5.121 | 5.273 | 5.425 | 5.577 | 5.729 | 5.881 |
| 68                                       | 4.283 | 4.446 | 4.609 | 4.771 | 4.934 | 5.096 | 5.257 | 5.419 | 5.580 | 5.741 | 5.902 | 6.063 | 6.223 |
| 70                                       | 4.525 | 4.697 | 4.869 | 5.041 | 5.212 | 5.384 | 5.554 | 5.725 | 5.895 | 6.066 | 6.235 | 6.405 | 6.575 |
| 72                                       | 4.773 | 4.955 | 5.136 | 5.317 | 5.498 | 5.679 | 5.859 | 6.039 | 6.219 | 6.398 | 6.577 | 6.756 | 6.935 |
| 74                                       | 5.028 | 5.219 | 5.410 | 5.601 | 5.791 | 5.982 | 6.171 | 6.361 | 6.550 | 6.739 | 6.928 | 7.117 | 7.305 |
| 76                                       | 5.288 | 5.490 | 5.691 | 5.891 | 6.092 | 6.292 | 6.491 | 6.691 | 6.890 | 7.089 | 7.287 | 7.486 | 7.684 |
| 78                                       | 5.555 | 5.767 | 5.978 | 6.189 | 6.399 | 6.609 | 6.819 | 7.028 | 7.238 | 7.446 | 7.655 | 7.863 | 8.071 |
| 80                                       | 5.828 | 6.050 | 6.272 | 6.493 | 6.714 | 6.934 | 7.154 | 7.374 | 7.593 | 7.813 | 8.031 | 8.250 | 8.468 |

续表45

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45     | 46     | 47     | 48     | 49     | 50     |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 42                                         | 2.561 | 2.625 | 2.689 | 2.753 | 2.817 | 2.881 | 2.945 | 3.009  | 3.072  | 3.136  | 3.199  | 3.263  | 3.326  |
| 44                                         | 2.797 | 2.867 | 2.937 | 3.007 | 3.077 | 3.147 | 3.216 | 3.286  | 3.356  | 3.425  | 3.494  | 3.564  | 3.633  |
| 46                                         | 3.043 | 3.119 | 3.195 | 3.271 | 3.347 | 3.423 | 3.499 | 3.575  | 3.651  | 3.726  | 3.802  | 3.877  | 3.952  |
| 48                                         | 3.298 | 3.381 | 3.464 | 3.546 | 3.629 | 3.711 | 3.793 | 3.875  | 3.957  | 4.039  | 4.121  | 4.203  | 4.284  |
| 50                                         | 3.564 | 3.653 | 3.742 | 3.832 | 3.921 | 4.009 | 4.098 | 4.187  | 4.276  | 4.364  | 4.453  | 4.541  | 4.629  |
| 52                                         | 3.839 | 3.935 | 4.031 | 4.127 | 4.223 | 4.319 | 4.415 | 4.510  | 4.606  | 4.701  | 4.796  | 4.891  | 4.986  |
| 54                                         | 4.124 | 4.227 | 4.330 | 4.433 | 4.536 | 4.639 | 4.742 | 4.845  | 4.947  | 5.050  | 5.152  | 5.254  | 5.356  |
| 56                                         | 4.418 | 4.529 | 4.639 | 4.750 | 4.860 | 4.970 | 5.080 | 5.190  | 5.300  | 5.410  | 5.520  | 5.629  | 5.738  |
| 58                                         | 4.722 | 4.840 | 4.958 | 5.076 | 5.194 | 5.312 | 5.430 | 5.547  | 5.665  | 5.782  | 5.899  | 6.016  | 6.133  |
| 60                                         | 5.035 | 5.161 | 5.287 | 5.413 | 5.539 | 5.665 | 5.790 | 5.915  | 6.041  | 6.166  | 6.291  | 6.415  | 6.540  |
| 62                                         | 5.358 | 5.492 | 5.626 | 5.760 | 5.894 | 6.028 | 6.161 | 6.295  | 6.428  | 6.561  | 6.694  | 6.827  | 6.960  |
| 64                                         | 5.690 | 5.833 | 5.975 | 6.118 | 6.260 | 6.402 | 6.544 | 6.685  | 6.827  | 6.968  | 7.109  | 7.250  | 7.391  |
| 66                                         | 6.032 | 6.183 | 6.334 | 6.485 | 6.636 | 6.786 | 6.937 | 7.087  | 7.237  | 7.387  | 7.536  | 7.686  | 7.835  |
| 68                                         | 6.383 | 6.543 | 6.703 | 6.863 | 7.022 | 7.181 | 7.340 | 7.499  | 7.658  | 7.817  | 7.975  | 8.133  | 8.291  |
| 70                                         | 6.744 | 6.913 | 7.082 | 7.250 | 7.419 | 7.587 | 7.755 | 7.923  | 8.091  | 8.258  | 8.425  | 8.593  | 8.760  |
| 72                                         | 7.114 | 7.292 | 7.470 | 7.648 | 7.826 | 8.003 | 8.180 | 8.357  | 8.534  | 8.711  | 8.888  | 9.064  | 9.240  |
| 74                                         | 7.493 | 7.681 | 7.868 | 8.056 | 8.243 | 8.430 | 8.616 | 8.803  | 8.989  | 9.175  | 9.361  | 9.547  | 9.733  |
| 76                                         | 7.881 | 8.079 | 8.276 | 8.473 | 8.670 | 8.867 | 9.063 | 9.259  | 9.455  | 9.651  | 9.847  | 10.042 | 10.237 |
| 78                                         | 8.279 | 8.487 | 8.694 | 8.901 | 9.108 | 9.314 | 9.521 | 9.727  | 9.932  | 10.138 | 10.344 | 10.549 | 10.754 |
| 80                                         | 8.686 | 8.904 | 9.121 | 9.338 | 9.555 | 9.772 | 9.989 | 10.205 | 10.421 | 10.637 | 10.852 | 11.067 | 11.283 |

续表45

| $\begin{matrix} V & H \\ D \end{matrix}$ | 23    | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     |
|------------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                       | 5.641 | 5.874  | 6.107  | 6.340  | 6.572  | 6.804  | 7.035  | 7.266  | 7.497  | 7.727  | 7.957  | 8.187  | 8.416  | 8.645  |
| 84                                       | 5.905 | 6.149  | 6.393  | 6.636  | 6.879  | 7.122  | 7.364  | 7.606  | 7.847  | 8.088  | 8.329  | 8.570  | 8.810  | 9.049  |
| 86                                       | 6.174 | 6.429  | 6.684  | 6.939  | 7.193  | 7.447  | 7.700  | 7.953  | 8.205  | 8.457  | 8.709  | 8.960  | 9.211  | 9.462  |
| 88                                       | 6.449 | 6.716  | 6.982  | 7.248  | 7.514  | 7.778  | 8.043  | 8.307  | 8.571  | 8.834  | 9.097  | 9.359  | 9.622  | 9.883  |
| 90                                       | 6.729 | 7.008  | 7.286  | 7.563  | 7.840  | 8.117  | 8.393  | 8.669  | 8.944  | 9.218  | 9.493  | 9.767  | 10.040 | 10.314 |
| 92                                       | 7.016 | 7.306  | 7.596  | 7.885  | 8.174  | 8.462  | 8.750  | 9.037  | 9.324  | 9.611  | 9.897  | 10.182 | 10.467 | 10.752 |
| 94                                       | 7.308 | 7.610  | 7.912  | 8.213  | 8.514  | 8.814  | 9.114  | 9.413  | 9.712  | 10.011 | 10.308 | 10.606 | 10.903 | 11.200 |
| 96                                       | 7.605 | 7.920  | 8.234  | 8.548  | 8.861  | 9.173  | 9.485  | 9.797  | 10.108 | 10.418 | 10.728 | 11.038 | 11.347 | 11.656 |
| 98                                       | 7.908 | 8.236  | 8.562  | 8.888  | 9.214  | 9.539  | 9.863  | 10.187 | 10.510 | 10.833 | 11.156 | 11.478 | 11.799 | 12.120 |
| 100                                      | 8.217 | 8.557  | 8.897  | 9.235  | 9.574  | 9.911  | 10.248 | 10.585 | 10.921 | 11.256 | 11.591 | 11.926 | 12.260 | 12.593 |
| 102                                      |       | 8.884  | 9.237  | 9.589  | 9.940  | 10.290 | 10.640 | 10.990 | 11.338 | 11.687 | 12.035 | 12.382 | 12.729 | 13.075 |
| 104                                      |       | 9.218  | 9.583  | 9.948  | 10.312 | 10.676 | 11.039 | 11.402 | 11.764 | 12.125 | 12.486 | 12.846 | 13.206 | 13.565 |
| 106                                      |       | 9.556  | 9.935  | 10.314 | 10.692 | 11.069 | 11.445 | 11.821 | 12.196 | 12.571 | 12.945 | 13.318 | 13.691 | 14.064 |
| 108                                      |       | 9.901  | 10.294 | 10.686 | 11.077 | 11.468 | 11.858 | 12.247 | 12.636 | 13.024 | 13.412 | 13.799 | 14.185 | 14.571 |
| 110                                      |       | 10.251 | 10.658 | 11.064 | 11.469 | 11.874 | 12.277 | 12.681 | 13.083 | 13.485 | 13.886 | 14.287 | 14.687 | 15.087 |

续表 45

| $\begin{matrix} V & H \\ D \end{matrix}$ | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                       | 8.874  | 9.102  | 9.330  | 9.558  | 9.786  | 10.013 | 10.240 | 10.467 | 10.694 | 10.920 | 11.146 | 11.372 | 11.598 | 11.823 |
| 84                                       | 9.289  | 9.528  | 9.767  | 10.005 | 10.243 | 10.481 | 10.719 | 10.956 | 11.194 | 11.430 | 11.667 | 11.904 | 12.140 | 12.376 |
| 86                                       | 9.712  | 9.962  | 10.212 | 10.461 | 10.710 | 10.959 | 11.208 | 11.456 | 11.704 | 11.952 | 12.199 | 12.447 | 12.693 | 12.940 |
| 88                                       | 10.145 | 10.406 | 10.667 | 10.927 | 11.188 | 11.447 | 11.707 | 11.966 | 12.225 | 12.484 | 12.743 | 13.001 | 13.259 | 13.517 |
| 90                                       | 10.586 | 10.859 | 11.131 | 11.403 | 11.674 | 11.946 | 12.216 | 12.487 | 12.757 | 13.027 | 13.297 | 13.567 | 13.836 | 14.105 |
| 92                                       | 11.037 | 11.321 | 11.605 | 11.888 | 12.171 | 12.454 | 12.736 | 13.018 | 13.300 | 13.582 | 13.863 | 14.144 | 14.424 | 14.705 |
| 94                                       | 11.496 | 11.792 | 12.087 | 12.383 | 12.677 | 12.972 | 13.266 | 13.560 | 13.853 | 14.147 | 14.440 | 14.732 | 15.025 | 15.317 |
| 96                                       | 11.964 | 12.272 | 12.579 | 12.887 | 13.194 | 13.500 | 13.806 | 14.112 | 14.417 | 14.723 | 15.027 | 15.332 | 15.636 | 15.940 |
| 98                                       | 12.441 | 12.761 | 13.081 | 13.400 | 13.719 | 14.038 | 14.356 | 14.674 | 14.992 | 15.309 | 15.626 | 15.943 | 16.259 | 16.576 |
| 100                                      | 12.926 | 13.259 | 13.591 | 13.923 | 14.255 | 14.586 | 14.917 | 15.247 | 15.577 | 15.907 | 16.236 | 16.565 | 16.894 | 17.223 |
| 102                                      | 13.421 | 13.766 | 14.111 | 14.456 | 14.800 | 15.144 | 15.487 | 15.830 | 16.173 | 16.515 | 16.857 | 17.199 | 17.540 | 17.881 |
| 104                                      | 13.924 | 14.282 | 14.640 | 14.998 | 15.355 | 15.712 | 16.068 | 16.424 | 16.780 | 17.135 | 17.489 | 17.844 | 18.198 | 18.552 |
| 106                                      | 14.436 | 14.808 | 15.179 | 15.549 | 15.920 | 16.289 | 16.659 | 17.028 | 17.396 | 17.765 | 18.132 | 18.500 | 18.867 | 19.234 |
| 108                                      | 14.957 | 15.342 | 15.726 | 16.110 | 16.494 | 16.877 | 17.260 | 17.642 | 18.024 | 18.405 | 18.786 | 19.167 | 19.548 | 19.928 |
| 110                                      | 15.486 | 15.885 | 16.283 | 16.680 | 17.077 | 17.474 | 17.870 | 18.266 | 18.662 | 19.057 | 19.451 | 19.846 | 20.239 | 20.633 |



四十七、西北地区云杉二元立木材积表 (一)

$$V = 0.000062936619 D^{1.7932400} H^{1.0469707}$$

表 46

| $V$<br>$D$ | $H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2          |     | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 |       |       |       |       |       |       |       |       |       |
| 4          |     | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 | 0.009 |       |       |       |       |       |
| 6          |     | 0.003 | 0.005 | 0.007 | 0.008 | 0.010 | 0.012 | 0.014 | 0.016 | 0.017 | 0.019 | 0.021 | 0.023 | 0.025 |       |       |
| 8          |     | 0.005 | 0.008 | 0.011 | 0.014 | 0.017 | 0.020 | 0.023 | 0.026 | 0.029 | 0.032 | 0.035 | 0.038 | 0.042 | 0.045 | 0.048 |
| 10         |     | 0.008 | 0.012 | 0.017 | 0.021 | 0.026 | 0.030 | 0.034 | 0.039 | 0.044 | 0.048 | 0.053 | 0.057 | 0.062 | 0.067 | 0.071 |
| 12         |     | 0.011 | 0.017 | 0.023 | 0.029 | 0.035 | 0.042 | 0.048 | 0.054 | 0.060 | 0.067 | 0.073 | 0.080 | 0.086 | 0.092 | 0.099 |
| 14         |     | 0.015 | 0.023 | 0.031 | 0.039 | 0.047 | 0.055 | 0.063 | 0.071 | 0.080 | 0.088 | 0.096 | 0.105 | 0.113 | 0.122 | 0.130 |
| 16         |     |       | 0.029 | 0.039 | 0.049 | 0.059 | 0.070 | 0.080 | 0.091 | 0.101 | 0.112 | 0.122 | 0.133 | 0.144 | 0.155 | 0.166 |
| 18         |     |       | 0.035 | 0.048 | 0.060 | 0.073 | 0.086 | 0.099 | 0.112 | 0.125 | 0.138 | 0.151 | 0.165 | 0.178 | 0.191 | 0.204 |
| 20         |     |       |       | 0.058 | 0.073 | 0.088 | 0.104 | 0.120 | 0.135 | 0.151 | 0.167 | 0.183 | 0.199 | 0.215 | 0.231 | 0.247 |
| 22         |     |       |       |       | 0.087 | 0.105 | 0.123 | 0.142 | 0.160 | 0.179 | 0.198 | 0.217 | 0.236 | 0.255 | 0.274 | 0.293 |
| 24         |     |       |       |       | 0.101 | 0.123 | 0.144 | 0.166 | 0.188 | 0.209 | 0.231 | 0.253 | 0.276 | 0.298 | 0.320 | 0.342 |
| 26         |     |       |       |       |       | 0.142 | 0.166 | 0.191 | 0.216 | 0.242 | 0.267 | 0.293 | 0.318 | 0.344 | 0.370 | 0.395 |
| 28         |     |       |       |       |       | 0.162 | 0.190 | 0.219 | 0.247 | 0.276 | 0.305 | 0.334 | 0.363 | 0.393 | 0.422 | 0.452 |
| 30         |     |       |       |       |       |       | 0.215 | 0.247 | 0.280 | 0.312 | 0.345 | 0.378 | 0.411 | 0.444 | 0.478 | 0.511 |
| 32         |     |       |       |       |       |       | 0.241 | 0.278 | 0.314 | 0.351 | 0.388 | 0.424 | 0.462 | 0.499 | 0.536 | 0.574 |
| 34         |     |       |       |       |       |       |       | 0.310 | 0.350 | 0.391 | 0.432 | 0.473 | 0.515 | 0.556 | 0.598 | 0.640 |
| 36         |     |       |       |       |       |       |       | 0.343 | 0.388 | 0.433 | 0.479 | 0.524 | 0.570 | 0.616 | 0.662 | 0.709 |
| 38         |     |       |       |       |       |       |       |       | 0.427 | 0.477 | 0.527 | 0.578 | 0.628 | 0.679 | 0.730 | 0.781 |
| 40         |     |       |       |       |       |       |       |       | 0.469 | 0.523 | 0.578 | 0.633 | 0.689 | 0.744 | 0.800 | 0.856 |

续表46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.051 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.076 | 0.081 | 0.085 | 0.090 |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.105 | 0.112 | 0.118 | 0.125 | 0.131 | 0.133 |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.139 | 0.147 | 0.156 | 0.165 | 0.173 | 0.182 | 0.190 |       |       |       |       |       |       |       |       |
| 16                                        | 0.176 | 0.187 | 0.198 | 0.209 | 0.220 | 0.231 | 0.242 | 0.253 |       |       |       |       |       |       |       |
| 18                                        | 0.218 | 0.231 | 0.245 | 0.258 | 0.272 | 0.285 | 0.299 | 0.313 | 0.326 | 0.340 |       |       |       |       |       |
| 20                                        | 0.263 | 0.279 | 0.296 | 0.312 | 0.328 | 0.345 | 0.361 | 0.378 | 0.394 | 0.411 | 0.427 | 0.444 |       |       |       |
| 22                                        | 0.312 | 0.331 | 0.351 | 0.370 | 0.390 | 0.409 | 0.428 | 0.448 | 0.468 | 0.487 | 0.507 | 0.526 | 0.546 |       |       |
| 24                                        | 0.365 | 0.387 | 0.410 | 0.433 | 0.455 | 0.478 | 0.501 | 0.524 | 0.546 | 0.569 | 0.592 | 0.615 | 0.638 | 0.661 |       |
| 26                                        | 0.421 | 0.447 | 0.473 | 0.499 | 0.526 | 0.552 | 0.578 | 0.604 | 0.631 | 0.657 | 0.684 | 0.710 | 0.737 | 0.763 | 0.790 |
| 28                                        | 0.481 | 0.511 | 0.541 | 0.570 | 0.600 | 0.630 | 0.660 | 0.690 | 0.720 | 0.751 | 0.781 | 0.811 | 0.842 | 0.872 | 0.902 |
| 30                                        | 0.544 | 0.578 | 0.612 | 0.645 | 0.679 | 0.713 | 0.747 | 0.781 | 0.815 | 0.850 | 0.884 | 0.918 | 0.952 | 0.987 | 1.021 |
| 32                                        | 0.611 | 0.649 | 0.687 | 0.725 | 0.763 | 0.801 | 0.839 | 0.877 | 0.915 | 0.954 | 0.992 | 1.031 | 1.069 | 1.108 | 1.147 |
| 34                                        | 0.681 | 0.724 | 0.766 | 0.808 | 0.850 | 0.893 | 0.935 | 0.978 | 1.021 | 1.063 | 1.106 | 1.149 | 1.192 | 1.235 | 1.278 |
| 36                                        | 0.755 | 0.802 | 0.848 | 0.895 | 0.942 | 0.989 | 1.036 | 1.083 | 1.131 | 1.178 | 1.226 | 1.273 | 1.321 | 1.368 | 1.416 |
| 38                                        | 0.832 | 0.883 | 0.935 | 0.986 | 1.038 | 1.090 | 1.142 | 1.194 | 1.246 | 1.298 | 1.350 | 1.403 | 1.455 | 1.508 | 1.560 |
| 40                                        | 0.912 | 0.968 | 1.025 | 1.081 | 1.138 | 1.195 | 1.252 | 1.309 | 1.366 | 1.423 | 1.480 | 1.538 | 1.595 | 1.653 | 1.711 |

续表 46

| $\begin{array}{c} V \\ \swarrow \\ D \end{array} \begin{array}{c} H \end{array}$ | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46 |
|----------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 2                                                                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 4                                                                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 6                                                                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 8                                                                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 10                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 12                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 14                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 16                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 18                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 20                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 22                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 24                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 26                                                                               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 28                                                                               | 0.933 | 0.963 |       |       |       |       |       |       |       |       |       |       |       |       |    |
| 30                                                                               | 1.056 | 1.090 | 1.125 | 1.160 |       |       |       |       |       |       |       |       |       |       |    |
| 32                                                                               | 1.185 | 1.224 | 1.263 | 1.302 | 1.341 | 1.380 |       |       |       |       |       |       |       |       |    |
| 34                                                                               | 1.321 | 1.365 | 1.408 | 1.451 | 1.495 | 1.538 | 1.582 | 1.626 |       |       |       |       |       |       |    |
| 36                                                                               | 1.464 | 1.512 | 1.560 | 1.608 | 1.656 | 1.704 | 1.753 | 1.801 | 1.849 | 1.898 |       |       |       |       |    |
| 38                                                                               | 1.613 | 1.666 | 1.719 | 1.772 | 1.825 | 1.878 | 1.931 | 1.984 | 2.038 | 2.091 | 2.145 | 2.198 |       |       |    |
| 40                                                                               | 1.769 | 1.827 | 1.884 | 1.943 | 2.001 | 2.059 | 2.117 | 2.176 | 2.234 | 2.293 | 2.351 | 2.410 | 2.468 | 2.527 |    |

续表46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.511 | 0.571 | 0.631 | 0.691 | 0.752 | 0.812 | 0.873 | 0.934 | 0.995 | 1.057 | 1.118 | 1.180 | 1.242 |
| 44                                        | 0.556 | 0.621 | 0.686 | 0.751 | 0.817 | 0.883 | 0.949 | 1.016 | 1.082 | 1.149 | 1.216 | 1.283 | 1.350 |
| 46                                        | 0.602 | 0.672 | 0.743 | 0.814 | 0.885 | 0.956 | 1.028 | 1.100 | 1.172 | 1.244 | 1.317 | 1.389 | 1.462 |
| 48                                        |       | 0.726 | 0.802 | 0.878 | 0.955 | 1.032 | 1.109 | 1.187 | 1.265 | 1.343 | 1.421 | 1.499 | 1.578 |
| 50                                        |       |       | 0.863 | 0.945 | 1.028 | 1.111 | 1.194 | 1.277 | 1.361 | 1.445 | 1.529 | 1.613 | 1.698 |
| 52                                        |       |       |       | 1.014 | 1.102 | 1.191 | 1.281 | 1.370 | 1.460 | 1.550 | 1.640 | 1.731 | 1.822 |
| 54                                        |       |       |       |       | 1.180 | 1.275 | 1.370 | 1.466 | 1.562 | 1.659 | 1.755 | 1.852 | 1.949 |
| 56                                        |       |       |       |       |       | 1.361 | 1.463 | 1.565 | 1.668 | 1.770 | 1.873 | 1.977 | 2.080 |
| 58                                        |       |       |       |       |       | 1.449 | 1.558 | 1.667 | 1.776 | 1.885 | 1.995 | 2.105 | 2.216 |
| 60                                        |       |       |       |       |       |       |       | 1.771 | 1.887 | 2.003 | 2.120 | 2.237 | 2.354 |
| 62                                        |       |       |       |       |       |       |       | 1.878 | 2.001 | 2.125 | 2.249 | 2.373 | 2.497 |
| 64                                        |       |       |       |       |       |       |       |       |       | 2.249 | 2.380 | 2.512 | 2.643 |
| 66                                        |       |       |       |       |       |       |       |       |       |       | 2.515 | 2.654 | 2.793 |
| 68                                        |       |       |       |       |       |       |       |       |       |       | 2.654 | 2.800 | 2.947 |
| 70                                        |       |       |       |       |       |       |       |       |       |       |       | 2.949 | 3.104 |
| 72                                        |       |       |       |       |       |       |       |       |       |       |       |       | 3.265 |
| 74                                        |       |       |       |       |       |       |       |       |       |       |       |       | 3.429 |
| 76                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 78                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 80                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |

续表46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.304 | 1.366 | 1.428 | 1.491 | 1.553 | 1.616 | 1.678 | 1.741 | 1.804 | 1.867 | 1.930 | 1.994 | 2.057 |
| 44                                        | 1.417 | 1.485 | 1.553 | 1.620 | 1.688 | 1.756 | 1.824 | 1.893 | 1.961 | 2.030 | 2.098 | 2.167 | 2.236 |
| 46                                        | 1.535 | 1.608 | 1.681 | 1.755 | 1.828 | 1.902 | 1.976 | 2.050 | 2.124 | 2.198 | 2.272 | 2.347 | 2.421 |
| 48                                        | 1.657 | 1.736 | 1.815 | 1.894 | 1.973 | 2.053 | 2.133 | 2.212 | 2.292 | 2.372 | 2.453 | 2.533 | 2.613 |
| 50                                        | 1.783 | 1.867 | 1.953 | 2.038 | 2.123 | 2.209 | 2.295 | 2.380 | 2.466 | 2.553 | 2.639 | 2.725 | 2.812 |
| 52                                        | 1.912 | 2.004 | 2.095 | 2.186 | 2.278 | 2.370 | 2.462 | 2.554 | 2.646 | 2.739 | 2.831 | 2.924 | 3.017 |
| 54                                        | 2.046 | 2.144 | 2.242 | 2.339 | 2.437 | 2.536 | 2.634 | 2.733 | 2.831 | 2.930 | 3.029 | 3.129 | 3.228 |
| 56                                        | 2.184 | 2.288 | 2.393 | 2.497 | 2.602 | 2.707 | 2.812 | 2.917 | 3.022 | 3.128 | 3.233 | 3.339 | 3.445 |
| 58                                        | 2.326 | 2.437 | 2.548 | 2.659 | 2.771 | 2.882 | 2.994 | 3.106 | 3.219 | 3.331 | 3.444 | 3.556 | 3.669 |
| 60                                        | 2.472 | 2.590 | 2.708 | 2.826 | 2.944 | 3.063 | 3.182 | 3.301 | 3.420 | 3.540 | 3.659 | 3.779 | 3.899 |
| 62                                        | 2.622 | 2.747 | 2.872 | 2.997 | 3.123 | 3.249 | 3.375 | 3.501 | 3.627 | 3.754 | 3.881 | 4.008 | 4.135 |
| 64                                        | 2.775 | 2.907 | 3.040 | 3.173 | 3.306 | 3.439 | 3.572 | 3.706 | 3.840 | 3.974 | 4.108 | 4.243 | 4.378 |
| 66                                        | 2.933 | 3.072 | 3.212 | 3.353 | 3.493 | 3.634 | 3.775 | 3.916 | 4.058 | 4.199 | 4.341 | 4.484 | 4.626 |
| 68                                        | 3.094 | 3.241 | 3.389 | 3.537 | 3.685 | 3.834 | 3.983 | 4.132 | 4.281 | 4.430 | 4.580 | 4.730 | 4.880 |
| 70                                        | 3.259 | 3.414 | 3.570 | 3.726 | 3.882 | 4.038 | 4.195 | 4.352 | 4.509 | 4.667 | 4.825 | 4.982 | 5.141 |
| 72                                        | 3.428 | 3.591 | 3.755 | 3.919 | 4.083 | 4.248 | 4.412 | 4.578 | 4.743 | 4.909 | 5.075 | 5.241 | 5.407 |
| 74                                        | 3.600 | 3.772 | 3.944 | 4.116 | 4.289 | 4.461 | 4.635 | 4.808 | 4.982 | 5.156 | 5.330 | 5.505 | 5.679 |
| 76                                        | 3.777 | 3.957 | 4.137 | 4.318 | 4.499 | 4.680 | 4.862 | 5.044 | 5.226 | 5.408 | 5.591 | 5.774 | 5.958 |
| 78                                        | 3.957 | 4.145 | 4.334 | 4.524 | 4.713 | 4.903 | 5.093 | 5.284 | 5.475 | 5.666 | 5.858 | 6.050 | 6.242 |
| 80                                        |       | 4.338 | 4.536 | 4.734 | 4.932 | 5.131 | 5.330 | 5.530 | 5.729 | 5.929 | 6.130 | 6.331 | 6.532 |

续表46

| <div> <div> <div>V</div> <div>H</div> </div> <div>D</div> </div> | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    |
|------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 42                                                               | 2.120 | 2.184 | 2.247 | 2.311 | 2.375 | 2.438 | 2.502 | 2.566 | 2.630 | 2.694 | 2.758 | 2.823 | 2.887 |
| 44                                                               | 2.305 | 2.374 | 2.443 | 2.512 | 2.581 | 2.650 | 2.720 | 2.789 | 2.859 | 2.929 | 2.998 | 3.068 | 3.138 |
| 46                                                               | 2.496 | 2.571 | 2.645 | 2.720 | 2.795 | 2.870 | 2.946 | 3.021 | 3.096 | 3.172 | 3.247 | 3.323 | 3.398 |
| 48                                                               | 2.694 | 2.774 | 2.855 | 2.936 | 3.017 | 3.098 | 3.179 | 3.260 | 3.342 | 3.423 | 3.505 | 3.586 | 3.668 |
| 50                                                               | 2.898 | 2.985 | 3.072 | 3.159 | 3.246 | 3.333 | 3.421 | 3.508 | 3.595 | 3.683 | 3.771 | 3.859 | 3.946 |
| 52                                                               | 3.110 | 3.203 | 3.296 | 3.389 | 3.483 | 3.576 | 3.670 | 3.764 | 3.857 | 3.951 | 4.046 | 4.140 | 4.234 |
| 54                                                               | 3.327 | 3.427 | 3.527 | 3.627 | 3.726 | 3.827 | 3.927 | 4.027 | 4.128 | 4.228 | 4.329 | 4.430 | 4.530 |
| 56                                                               | 3.552 | 3.658 | 3.764 | 3.871 | 3.978 | 4.084 | 4.191 | 4.299 | 4.406 | 4.513 | 4.621 | 4.728 | 4.836 |
| 58                                                               | 3.782 | 3.895 | 4.009 | 4.122 | 4.236 | 4.350 | 4.464 | 4.578 | 4.692 | 4.806 | 4.921 | 5.035 | 5.150 |
| 60                                                               | 4.019 | 4.140 | 4.260 | 4.381 | 4.501 | 4.622 | 4.743 | 4.865 | 4.986 | 5.107 | 5.229 | 5.351 | 5.473 |
| 62                                                               | 4.263 | 4.390 | 4.518 | 4.646 | 4.774 | 4.902 | 5.031 | 5.159 | 5.288 | 5.417 | 5.546 | 5.675 | 5.804 |
| 64                                                               | 4.512 | 4.648 | 4.783 | 4.918 | 5.054 | 5.190 | 5.325 | 5.462 | 5.598 | 5.734 | 5.871 | 6.007 | 6.144 |
| 66                                                               | 4.768 | 4.911 | 5.054 | 5.197 | 5.340 | 5.484 | 5.628 | 5.771 | 5.915 | 6.059 | 6.204 | 6.348 | 6.493 |
| 68                                                               | 5.031 | 5.181 | 5.332 | 5.483 | 5.634 | 5.786 | 5.937 | 6.089 | 6.241 | 6.393 | 6.545 | 6.697 | 6.850 |
| 70                                                               | 5.299 | 5.458 | 5.617 | 5.776 | 5.935 | 6.094 | 6.254 | 6.414 | 6.574 | 6.734 | 6.894 | 7.054 | 7.215 |
| 72                                                               | 5.574 | 5.740 | 5.908 | 6.075 | 6.242 | 6.410 | 6.578 | 6.746 | 6.914 | 7.083 | 7.251 | 7.420 | 7.589 |
| 74                                                               | 5.854 | 6.030 | 6.205 | 6.381 | 6.557 | 6.733 | 6.909 | 7.086 | 7.262 | 7.439 | 7.616 | 7.794 | 7.971 |
| 76                                                               | 6.141 | 6.325 | 6.509 | 6.693 | 6.878 | 7.063 | 7.248 | 7.433 | 7.618 | 7.804 | 7.989 | 8.175 | 8.362 |
| 78                                                               | 6.434 | 6.627 | 6.819 | 7.012 | 7.206 | 7.399 | 7.593 | 7.787 | 7.981 | 8.176 | 8.370 | 8.565 | 8.760 |
| 80                                                               | 6.733 | 6.934 | 7.136 | 7.338 | 7.540 | 7.743 | 7.946 | 8.149 | 8.352 | 8.556 | 8.759 | 8.963 | 9.167 |

续表 46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 48    | 49    | 50    | 51    | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     |
|-------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 44                                        | 3.208 |       |       |       |        |        |        |        |        |        |        |        |        |
| 46                                        | 3.474 | 3.550 | 3.626 |       |        |        |        |        |        |        |        |        |        |
| 48                                        | 3.750 | 3.831 | 3.913 |       |        |        |        |        |        |        |        |        |        |
| 50                                        | 4.034 | 4.122 | 4.211 | 4.299 | 4.387  |        |        |        |        |        |        |        |        |
| 52                                        | 4.328 | 4.423 | 4.517 | 4.612 | 4.707  |        |        |        |        |        |        |        |        |
| 54                                        | 4.631 | 4.732 | 4.834 | 4.935 | 5.036  | 5.138  | 5.239  | 5.341  |        |        |        |        |        |
| 56                                        | 4.944 | 5.051 | 5.159 | 5.267 | 5.376  | 5.484  | 5.592  | 5.701  |        |        |        |        |        |
| 58                                        | 5.265 | 5.379 | 5.494 | 5.610 | 5.725  | 5.840  | 5.956  | 6.071  | 6.187  |        |        |        |        |
| 60                                        | 5.595 | 5.717 | 5.839 | 5.961 | 6.084  | 6.206  | 6.329  | 6.452  | 6.574  |        |        |        |        |
| 62                                        | 5.933 | 6.063 | 6.192 | 6.322 | 6.452  | 6.582  | 6.712  | 6.842  | 6.973  |        |        |        |        |
| 64                                        | 6.281 | 6.418 | 6.555 | 6.693 | 6.830  | 6.968  | 7.105  | 7.243  | 7.381  |        |        |        |        |
| 66                                        | 6.637 | 6.782 | 6.927 | 7.072 | 7.218  | 7.363  | 7.508  | 7.654  | 7.800  | 7.946  |        |        |        |
| 68                                        | 7.002 | 7.155 | 7.308 | 7.461 | 7.614  | 7.768  | 7.921  | 8.075  | 8.229  | 8.383  |        |        |        |
| 70                                        | 7.376 | 7.537 | 7.698 | 7.859 | 8.021  | 8.182  | 8.344  | 8.506  | 8.668  | 8.830  | 8.992  |        |        |
| 72                                        | 7.758 | 7.927 | 8.097 | 8.267 | 8.436  | 8.606  | 8.776  | 8.947  | 9.117  | 9.287  | 9.458  |        |        |
| 74                                        | 8.149 | 8.327 | 8.505 | 8.683 | 8.861  | 9.040  | 9.218  | 9.397  | 9.576  | 9.755  | 9.934  | 10.114 |        |
| 76                                        | 8.548 | 8.735 | 8.921 | 9.108 | 9.295  | 9.482  | 9.670  | 9.857  | 10.045 | 10.233 | 10.421 | 10.609 |        |
| 78                                        | 8.956 | 9.151 | 9.347 | 9.542 | 9.738  | 9.935  | 10.131 | 10.327 | 10.524 | 10.721 | 10.918 | 11.115 | 11.312 |
| 80                                        | 9.372 | 9.576 | 9.781 | 9.986 | 10.191 | 10.396 | 10.601 | 10.807 | 11.013 | 11.219 | 11.425 | 11.631 | 11.838 |

续表 46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     |
|-------------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 4.741 | 4.948 | 5.155  | 5.363  | 5.571  | 5.780  | 5.989  | 6.198  | 6.407  | 6.617  | 6.827  | 7.038  | 7.248  |
| 84                                        | 4.950 | 5.167 | 5.383  | 5.600  | 5.817  | 6.035  | 6.253  | 6.472  | 6.690  | 6.909  | 7.129  | 7.348  | 7.568  |
| 86                                        | 5.164 | 5.389 | 5.615  | 5.841  | 6.068  | 6.295  | 6.523  | 6.750  | 6.979  | 7.207  | 7.436  | 7.665  | 7.895  |
| 88                                        | 5.381 | 5.616 | 5.851  | 6.087  | 6.324  | 6.560  | 6.797  | 7.035  | 7.272  | 7.510  | 7.749  | 7.988  | 8.227  |
| 90                                        | 5.602 | 5.847 | 6.092  | 6.338  | 6.584  | 6.830  | 7.077  | 7.324  | 7.571  | 7.819  | 8.068  | 8.316  | 8.565  |
| 92                                        | 5.828 | 6.082 | 6.337  | 6.592  | 6.848  | 7.105  | 7.361  | 7.618  | 7.876  | 8.134  | 8.392  | 8.650  | 8.909  |
| 94                                        | 6.057 | 6.321 | 6.586  | 6.852  | 7.117  | 7.384  | 7.651  | 7.918  | 8.185  | 8.453  | 8.722  | 8.991  | 9.260  |
| 96                                        |       | 6.564 | 6.840  | 7.115  | 7.391  | 7.668  | 7.945  | 8.222  | 8.500  | 8.779  | 9.057  | 9.337  | 9.616  |
| 98                                        |       | 6.812 | 7.097  | 7.383  | 7.670  | 7.957  | 8.244  | 8.532  | 8.821  | 9.109  | 9.399  | 9.688  | 9.978  |
| 100                                       |       | 7.063 | 7.359  | 7.656  | 7.953  | 8.250  | 8.548  | 8.847  | 9.146  | 9.445  | 9.745  | 10.046 | 10.346 |
| 102                                       |       | 7.318 | 7.625  | 7.932  | 8.240  | 8.549  | 8.857  | 9.167  | 9.477  | 9.787  | 10.098 | 10.409 | 10.720 |
| 104                                       |       | 7.578 | 7.895  | 8.213  | 8.532  | 8.851  | 9.171  | 9.492  | 9.812  | 10.134 | 10.455 | 10.778 | 11.100 |
| 106                                       |       | 7.841 | 8.170  | 8.499  | 8.829  | 9.159  | 9.490  | 9.821  | 10.153 | 10.486 | 10.819 | 11.152 | 11.486 |
| 108                                       |       | 8.108 | 8.448  | 8.789  | 9.130  | 9.471  | 9.813  | 10.156 | 10.499 | 10.843 | 11.188 | 11.532 | 11.877 |
| 110                                       |       | 8.379 | 8.731  | 9.083  | 9.435  | 9.788  | 10.142 | 10.496 | 10.851 | 11.206 | 11.562 | 11.918 | 12.275 |
| 112                                       |       | 8.655 | 9.017  | 9.381  | 9.745  | 10.110 | 10.475 | 10.841 | 11.207 | 11.574 | 11.941 | 12.309 | 12.678 |
| 114                                       |       | 8.934 | 9.308  | 9.683  | 10.059 | 10.436 | 10.813 | 11.190 | 11.568 | 11.947 | 12.327 | 12.706 | 13.087 |
| 116                                       |       | 9.217 | 9.603  | 9.990  | 10.378 | 10.766 | 11.155 | 11.545 | 11.935 | 12.326 | 12.717 | 13.109 | 13.501 |
| 118                                       |       | 9.504 | 9.902  | 10.301 | 10.701 | 11.101 | 11.502 | 11.904 | 12.306 | 12.709 | 13.113 | 13.517 | 13.922 |
| 120                                       |       | 9.794 | 10.205 | 10.616 | 11.028 | 11.441 | 11.854 | 12.268 | 12.683 | 13.098 | 13.514 | 13.931 | 14.348 |



续表46

| $V \backslash \begin{matrix} H \\ D \end{matrix}$ | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     |
|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                                | 7.459  | 7.670  | 7.882  | 8.094  | 8.306  | 8.518  | 8.730  | 8.943  | 9.156  | 9.369  | 9.582  | 9.796  | 10.010 |
| 84                                                | 7.789  | 8.009  | 8.230  | 8.451  | 8.672  | 8.894  | 9.116  | 9.338  | 9.560  | 9.783  | 10.005 | 10.228 | 10.452 |
| 86                                                | 8.124  | 8.354  | 8.585  | 8.815  | 9.046  | 9.277  | 9.509  | 9.740  | 9.972  | 10.204 | 10.437 | 10.669 | 10.902 |
| 88                                                | 8.466  | 8.706  | 8.946  | 9.186  | 9.427  | 9.668  | 9.909  | 10.150 | 10.392 | 10.634 | 10.876 | 11.118 | 11.361 |
| 90                                                | 8.814  | 9.064  | 9.314  | 9.564  | 9.814  | 10.065 | 10.316 | 10.568 | 10.819 | 11.071 | 11.323 | 11.575 | 11.828 |
| 92                                                | 9.169  | 9.428  | 9.688  | 9.948  | 10.209 | 10.470 | 10.731 | 10.992 | 11.254 | 11.516 | 11.778 | 12.041 | 12.304 |
| 94                                                | 9.529  | 9.799  | 10.069 | 10.340 | 10.610 | 10.882 | 11.153 | 11.425 | 11.697 | 11.969 | 12.241 | 12.514 | 12.787 |
| 96                                                | 9.896  | 10.176 | 10.457 | 10.737 | 11.019 | 11.300 | 11.582 | 11.864 | 12.147 | 12.429 | 12.712 | 12.996 | 13.279 |
| 98                                                | 10.267 | 10.559 | 10.850 | 11.142 | 11.434 | 11.726 | 12.018 | 12.311 | 12.604 | 12.898 | 13.191 | 13.485 | 13.780 |
| 100                                               | 10.647 | 10.949 | 11.251 | 11.553 | 11.856 | 12.158 | 12.462 | 12.765 | 13.069 | 13.373 | 13.678 | 13.983 | 14.288 |
| 102                                               | 11.032 | 11.345 | 11.657 | 11.971 | 12.284 | 12.598 | 12.912 | 13.227 | 13.542 | 13.857 | 14.172 | 14.488 | 14.804 |
| 104                                               | 11.423 | 11.747 | 12.071 | 12.395 | 12.719 | 13.044 | 13.370 | 13.695 | 14.021 | 14.348 | 14.675 | 15.002 | 15.329 |
| 106                                               | 11.820 | 12.155 | 12.490 | 12.825 | 13.161 | 13.498 | 13.834 | 14.171 | 14.509 | 14.846 | 15.185 | 15.523 | 15.862 |
| 108                                               | 12.223 | 12.569 | 12.916 | 13.263 | 13.610 | 13.958 | 14.306 | 14.654 | 15.003 | 15.353 | 15.702 | 16.052 | 16.402 |
| 110                                               | 12.632 | 12.990 | 13.348 | 13.706 | 14.065 | 14.425 | 14.784 | 15.145 | 15.505 | 15.866 | 16.227 | 16.589 | 16.951 |
| 112                                               | 13.047 | 13.416 | 13.786 | 14.156 | 14.527 | 14.898 | 15.270 | 15.642 | 16.014 | 16.387 | 16.760 | 17.134 | 17.508 |
| 114                                               | 13.468 | 13.849 | 14.231 | 14.613 | 14.996 | 15.379 | 15.762 | 16.146 | 16.531 | 16.916 | 17.301 | 17.686 | 18.072 |
| 116                                               | 13.894 | 14.288 | 14.681 | 15.076 | 15.471 | 15.866 | 16.262 | 16.658 | 17.054 | 17.451 | 17.849 | 18.247 | 18.645 |
| 118                                               | 14.329 | 14.732 | 15.139 | 15.545 | 15.952 | 16.360 | 16.768 | 17.176 | 17.585 | 17.995 | 18.404 | 18.815 | 19.225 |
| 120                                               | 14.765 | 15.183 | 15.602 | 16.021 | 16.440 | 16.860 | 17.281 | 17.702 | 18.123 | 18.545 | 18.968 | 19.390 | 19.813 |

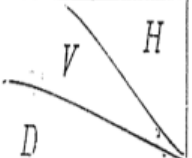
续表 46

| $\begin{array}{c} H \\ V \\ D \end{array}$ | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     | 61     | 62     |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                         | 10.224 | 10.438 | 10.652 | 10.867 | 11.081 | 11.296 | 11.512 | 11.727 | 11.942 | 12.158 | 12.374 | 12.590 |        |
| 84                                         | 10.675 | 10.899 | 11.123 | 11.347 | 11.571 | 11.795 | 12.020 | 12.245 | 12.470 | 12.695 | 12.920 | 13.146 |        |
| 86                                         | 11.135 | 11.368 | 11.602 | 11.836 | 12.069 | 12.304 | 12.538 | 12.772 | 13.007 | 13.242 | 13.477 | 13.712 |        |
| 88                                         | 11.604 | 11.847 | 12.090 | 12.334 | 12.577 | 12.821 | 13.066 | 13.310 | 13.555 | 13.799 | 14.044 | 14.289 |        |
| 90                                         | 12.081 | 12.334 | 12.587 | 12.841 | 13.095 | 13.349 | 13.603 | 13.857 | 14.112 | 14.367 | 14.622 | 14.877 |        |
| 92                                         | 12.567 | 12.830 | 13.093 | 13.357 | 13.621 | 13.885 | 14.150 | 14.414 | 14.679 | 14.944 | 15.210 | 15.475 |        |
| 94                                         | 13.061 | 13.334 | 13.608 | 13.882 | 14.157 | 14.431 | 14.706 | 14.981 | 15.256 | 15.532 | 15.808 | 16.084 |        |
| 96                                         | 13.563 | 13.847 | 14.132 | 14.416 | 14.701 | 14.987 | 15.272 | 15.558 | 15.843 | 16.130 | 16.416 | 16.702 |        |
| 98                                         | 14.074 | 14.369 | 14.664 | 14.959 | 15.255 | 15.551 | 15.847 | 16.144 | 16.440 | 16.737 | 17.034 | 17.332 |        |
| 100                                        | 14.593 | 14.899 | 15.205 | 15.511 | 15.818 | 16.125 | 16.432 | 16.739 | 17.047 | 17.355 | 17.663 | 17.971 | 18.280 |
| 102                                        | 15.121 | 15.438 | 15.755 | 16.072 | 16.390 | 16.708 | 17.026 | 17.344 | 17.663 | 17.982 | 18.301 | 18.621 | 18.940 |
| 104                                        | 15.657 | 15.985 | 16.313 | 16.642 | 16.970 | 17.300 | 17.629 | 17.959 | 18.289 | 18.619 | 18.950 | 19.280 | 19.611 |
| 106                                        | 16.201 | 16.540 | 16.880 | 17.220 | 17.560 | 17.901 | 18.242 | 18.583 | 18.924 | 19.266 | 19.608 | 19.950 | 20.293 |
| 108                                        | 16.753 | 17.104 | 17.455 | 17.807 | 18.159 | 18.511 | 18.863 | 19.216 | 19.569 | 19.923 | 20.276 | 20.630 | 20.985 |
| 110                                        | 17.313 | 17.676 | 18.039 | 18.403 | 18.766 | 19.130 | 19.495 | 19.859 | 20.224 | 20.589 | 20.955 | 21.321 | 21.687 |
| 112                                        | 17.882 | 18.257 | 18.632 | 19.007 | 19.382 | 19.758 | 20.135 | 20.511 | 20.888 | 21.265 | 21.643 | 22.021 | 22.399 |
| 114                                        | 18.459 | 18.845 | 19.232 | 19.620 | 20.008 | 20.396 | 20.784 | 21.173 | 21.562 | 21.951 | 22.341 | 22.731 | 23.121 |
| 116                                        | 19.043 | 19.442 | 19.842 | 20.241 | 20.641 | 21.042 | 21.442 | 21.843 | 22.245 | 22.647 | 23.049 | 23.451 | 23.854 |
| 118                                        | 19.636 | 20.048 | 20.459 | 20.871 | 21.284 | 21.697 | 22.110 | 22.523 | 22.937 | 23.352 | 23.766 | 24.181 | 24.596 |
| 120                                        | 20.237 | 20.661 | 21.085 | 21.510 | 21.935 | 22.361 | 22.786 | 23.213 | 23.639 | 24.066 | 24.493 | 24.921 | 25.349 |

续表46

| $V \begin{matrix} H \\ D \end{matrix}$ | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     |
|----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                    | 10.089 | 10.512 | 10.936 | 11.360 | 11.785 | 12.211 | 12.637 | 13.065 | 13.492 | 13.921 | 14.350 | 14.779 | 15.209 |
| 124                                    | 10.388 | 10.823 | 11.259 | 11.696 | 12.134 | 12.572 | 13.011 | 13.451 | 13.892 | 14.333 | 14.774 | 15.216 | 15.659 |
| 126                                    | 10.690 | 11.138 | 11.587 | 12.037 | 12.487 | 12.938 | 13.390 | 13.843 | 14.296 | 14.750 | 15.204 | 15.659 | 16.115 |
| 128                                    | 10.996 | 11.457 | 11.919 | 12.381 | 12.845 | 13.309 | 13.774 | 14.239 | 14.705 | 15.172 | 15.640 | 16.108 | 16.577 |
| 130                                    | 11.306 | 11.780 | 12.255 | 12.730 | 13.207 | 13.684 | 14.162 | 14.641 | 15.120 | 15.600 | 16.081 | 16.562 | 17.044 |
| 132                                    | 11.620 | 12.107 | 12.595 | 13.084 | 13.573 | 14.064 | 14.555 | 15.047 | 15.540 | 16.033 | 16.527 | 17.022 | 17.517 |
| 134                                    | 11.938 | 12.438 | 12.939 | 13.441 | 13.944 | 14.448 | 14.953 | 15.458 | 15.964 | 16.471 | 16.979 | 17.487 | 17.996 |
| 136                                    | 12.259 | 12.773 | 13.288 | 13.803 | 14.320 | 14.837 | 15.355 | 15.874 | 16.394 | 16.915 | 17.436 | 17.958 | 18.480 |
| 138                                    | 12.584 | 13.112 | 13.640 | 14.169 | 14.700 | 15.231 | 15.763 | 16.296 | 16.829 | 17.363 | 17.898 | 18.434 | 18.971 |
| 140                                    | 12.913 | 13.454 | 13.997 | 14.540 | 15.084 | 15.629 | 16.175 | 16.721 | 17.269 | 17.817 | 18.366 | 18.916 | 19.466 |

续表46

|  | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     |
|----------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                                                              | 15.640 | 16.071 | 16.503 | 16.935 | 17.368 | 17.801 | 18.235 | 18.669 | 19.103 | 19.533 | 19.974 | 20.410 | 20.846 |
| 124                                                                              | 16.103 | 16.547 | 16.991 | 17.436 | 17.882 | 18.328 | 18.774 | 19.221 | 19.668 | 20.116 | 20.565 | 21.013 | 21.463 |
| 126                                                                              | 16.571 | 17.028 | 17.486 | 17.944 | 18.402 | 18.861 | 19.321 | 19.780 | 20.241 | 20.702 | 21.163 | 21.625 | 22.087 |
| 128                                                                              | 17.046 | 17.516 | 17.987 | 18.458 | 18.929 | 19.401 | 19.874 | 20.347 | 20.821 | 21.295 | 21.769 | 22.244 | 22.720 |
| 130                                                                              | 17.527 | 18.010 | 18.494 | 18.978 | 19.463 | 19.946 | 20.434 | 20.921 | 21.408 | 21.895 | 22.383 | 22.872 | 23.361 |
| 132                                                                              | 18.013 | 18.510 | 19.007 | 19.505 | 20.003 | 20.502 | 21.001 | 21.501 | 22.002 | 22.503 | 23.004 | 23.506 | 24.009 |
| 134                                                                              | 18.505 | 19.016 | 19.526 | 20.038 | 20.550 | 21.062 | 21.575 | 22.089 | 22.603 | 23.118 | 23.633 | 24.149 | 24.665 |
| 136                                                                              | 19.004 | 19.528 | 20.052 | 20.577 | 21.103 | 21.629 | 22.156 | 22.684 | 23.212 | 23.740 | 24.270 | 24.799 | 25.329 |
| 138                                                                              | 19.508 | 20.046 | 20.584 | 21.123 | 21.663 | 22.203 | 22.744 | 23.285 | 23.828 | 24.370 | 24.913 | 25.457 | 26.001 |
| 140                                                                              | 20.018 | 20.570 | 21.122 | 21.675 | 22.229 | 22.783 | 23.339 | 23.894 | 24.450 | 25.007 | 25.564 | 26.122 | 26.681 |

续表46

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     | 61     | 62     | 63     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 21.283 | 21.720 | 22.157 | 22.595 | 23.033 | 23.472 | 23.911 | 24.350 | 24.790 | 25.230 | 25.671 | 26.111 |        |
| 124                                       | 21.912 | 22.362 | 22.813 | 23.264 | 23.715 | 24.166 | 24.618 | 25.071 | 25.524 | 25.977 | 26.430 | 26.884 |        |
| 126                                       | 22.550 | 23.013 | 23.477 | 23.941 | 24.405 | 24.870 | 25.335 | 25.801 | 26.267 | 26.733 | 27.199 | 27.666 | 28.134 |
| 128                                       | 23.196 | 23.672 | 24.149 | 24.626 | 25.104 | 25.582 | 26.061 | 26.540 | 27.019 | 27.499 | 27.979 | 28.459 | 28.940 |
| 130                                       | 23.850 | 24.340 | 24.830 | 25.321 | 25.812 | 26.303 | 26.795 | 27.288 | 27.781 | 28.274 | 28.767 | 29.261 | 29.756 |
| 132                                       | 24.512 | 25.015 | 25.519 | 26.024 | 26.528 | 27.034 | 27.539 | 28.045 | 28.552 | 29.059 | 29.566 | 30.073 | 30.581 |
| 134                                       | 25.182 | 25.699 | 26.217 | 26.735 | 27.253 | 27.772 | 28.292 | 28.812 | 29.332 | 29.853 | 30.374 | 30.895 | 31.417 |
| 136                                       | 25.860 | 26.391 | 26.923 | 27.455 | 27.987 | 28.520 | 29.054 | 29.588 | 30.122 | 30.657 | 31.192 | 31.727 | 32.263 |
| 138                                       | 26.546 | 27.091 | 27.637 | 28.183 | 28.730 | 29.277 | 29.824 | 30.372 | 30.921 | 31.470 | 32.019 | 32.569 | 33.119 |
| 140                                       | 27.240 | 27.799 | 28.359 | 28.920 | 29.481 | 30.042 | 30.604 | 31.166 | 31.729 | 32.292 | 32.856 | 33.420 | 33.985 |

## 四十八、西北地区云杉二元立木材积表(二)

$$V = 0.000060504753 D^{1.8077573} H^{1.0229567}$$

表47

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |
| 4                                         | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.009 | 0.010 |       |
| 6                                         | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 | 0.011 | 0.013 | 0.015 | 0.016 | 0.018 | 0.020 | 0.021 | 0.023 |
| 8                                         |       | 0.008 | 0.011 | 0.013 | 0.016 | 0.019 | 0.022 | 0.025 | 0.027 | 0.030 | 0.033 | 0.036 | 0.039 |
| 10                                        |       |       | 0.016 | 0.020 | 0.024 | 0.028 | 0.033 | 0.037 | 0.041 | 0.045 | 0.049 | 0.054 | 0.058 |
| 12                                        |       |       | 0.022 | 0.028 | 0.034 | 0.040 | 0.045 | 0.051 | 0.057 | 0.063 | 0.069 | 0.075 | 0.080 |
| 14                                        |       |       |       | 0.037 | 0.045 | 0.052 | 0.060 | 0.068 | 0.075 | 0.083 | 0.091 | 0.098 | 0.106 |
| 16                                        |       |       |       | 0.047 | 0.057 | 0.067 | 0.076 | 0.086 | 0.096 | 0.106 | 0.115 | 0.125 | 0.135 |
| 18                                        |       |       |       |       | 0.070 | 0.082 | 0.094 | 0.106 | 0.119 | 0.131 | 0.143 | 0.155 | 0.167 |
| 20                                        |       |       |       |       | 0.085 | 0.100 | 0.114 | 0.129 | 0.143 | 0.158 | 0.173 | 0.188 | 0.202 |
| 22                                        |       |       |       |       |       | 0.118 | 0.136 | 0.153 | 0.170 | 0.188 | 0.205 | 0.223 | 0.240 |
| 24                                        |       |       |       |       |       | 0.138 | 0.159 | 0.179 | 0.199 | 0.220 | 0.240 | 0.261 | 0.281 |
| 26                                        |       |       |       |       |       |       | 0.183 | 0.207 | 0.231 | 0.254 | 0.278 | 0.301 | 0.325 |
| 28                                        |       |       |       |       |       |       | 0.210 | 0.237 | 0.264 | 0.291 | 0.318 | 0.345 | 0.372 |
| 30                                        |       |       |       |       |       |       |       |       | 0.299 | 0.329 | 0.360 | 0.390 | 0.421 |
| 32                                        |       |       |       |       |       |       |       |       |       | 0.370 | 0.404 | 0.439 | 0.473 |
| 34                                        |       |       |       |       |       |       |       |       |       | 0.413 | 0.451 | 0.490 | 0.528 |
| 36                                        |       |       |       |       |       |       |       |       |       |       | 0.500 | 0.543 | 0.586 |
| 38                                        |       |       |       |       |       |       |       |       |       |       | 0.552 | 0.599 | 0.646 |
| 40                                        |       |       |       |       |       |       |       |       |       |       |       | 0.657 | 0.709 |

续表47

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        | 0.025 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        | 0.041 | 0.044 |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       | 0.062 | 0.066 | 0.071 |       |       |       |       |       |       |       |       |       |       |
| 12                                       | 0.086 | 0.092 | 0.098 | 0.104 | 0.110 |       |       |       |       |       |       |       |       |
| 14                                       | 0.114 | 0.122 | 0.130 | 0.137 | 0.145 | 0.153 | 0.161 |       |       |       |       |       |       |
| 16                                       | 0.145 | 0.155 | 0.165 | 0.175 | 0.185 | 0.195 | 0.205 | 0.215 | 0.225 |       |       |       |       |
| 18                                       | 0.180 | 0.192 | 0.204 | 0.216 | 0.229 | 0.241 | 0.253 | 0.266 | 0.278 | 0.290 | 0.303 |       |       |
| 20                                       | 0.217 | 0.232 | 0.247 | 0.262 | 0.277 | 0.291 | 0.306 | 0.321 | 0.336 | 0.351 | 0.366 | 0.381 | 0.396 |
| 22                                       | 0.258 | 0.276 | 0.293 | 0.311 | 0.329 | 0.346 | 0.364 | 0.382 | 0.400 | 0.417 | 0.435 | 0.453 | 0.471 |
| 24                                       | 0.302 | 0.323 | 0.343 | 0.364 | 0.385 | 0.405 | 0.426 | 0.447 | 0.468 | 0.488 | 0.509 | 0.530 | 0.551 |
| 26                                       | 0.349 | 0.373 | 0.397 | 0.421 | 0.444 | 0.468 | 0.492 | 0.516 | 0.540 | 0.564 | 0.589 | 0.613 | 0.637 |
| 28                                       | 0.399 | 0.426 | 0.454 | 0.481 | 0.508 | 0.536 | 0.563 | 0.590 | 0.618 | 0.645 | 0.673 | 0.700 | 0.728 |
| 30                                       | 0.452 | 0.483 | 0.514 | 0.545 | 0.576 | 0.607 | 0.638 | 0.669 | 0.700 | 0.731 | 0.762 | 0.793 | 0.825 |
| 32                                       | 0.508 | 0.543 | 0.577 | 0.612 | 0.647 | 0.682 | 0.717 | 0.752 | 0.787 | 0.822 | 0.857 | 0.892 | 0.927 |
| 34                                       | 0.567 | 0.605 | 0.644 | 0.683 | 0.722 | 0.761 | 0.800 | 0.839 | 0.878 | 0.917 | 0.956 | 0.995 | 1.034 |
| 36                                       | 0.628 | 0.671 | 0.714 | 0.757 | 0.800 | 0.844 | 0.887 | 0.930 | 0.973 | 1.016 | 1.060 | 1.103 | 1.147 |
| 38                                       | 0.693 | 0.740 | 0.788 | 0.835 | 0.883 | 0.930 | 0.978 | 1.025 | 1.073 | 1.121 | 1.169 | 1.216 | 1.264 |
| 40                                       | 0.760 | 0.812 | 0.864 | 0.916 | 0.968 | 1.021 | 1.073 | 1.125 | 1.177 | 1.230 | 1.282 | 1.335 | 1.387 |

续表47

| $\begin{matrix} V & H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 22                                       | 0.489 | 0.506 |       |       |       |       |       |       |       |       |       |       |       |
| 24                                       | 0.572 | 0.593 | 0.614 | 0.635 |       |       |       |       |       |       |       |       |       |
| 26                                       | 0.661 | 0.685 | 0.709 | 0.733 | 0.758 | 0.782 |       |       |       |       |       |       |       |
| 28                                       | 0.756 | 0.783 | 0.811 | 0.838 | 0.866 | 0.894 | 0.922 | 0.949 |       |       |       |       |       |
| 30                                       | 0.856 | 0.887 | 0.919 | 0.950 | 0.981 | 1.013 | 1.044 | 1.075 | 1.107 | 1.138 |       |       |       |
| 32                                       | 0.962 | 0.997 | 1.032 | 1.067 | 1.103 | 1.138 | 1.173 | 1.209 | 1.244 | 1.279 | 1.315 | 1.350 |       |
| 34                                       | 1.073 | 1.113 | 1.152 | 1.191 | 1.230 | 1.270 | 1.309 | 1.348 | 1.388 | 1.427 | 1.467 | 1.506 | 1.546 |
| 36                                       | 1.190 | 1.234 | 1.277 | 1.321 | 1.364 | 1.408 | 1.452 | 1.495 | 1.539 | 1.583 | 1.627 | 1.670 | 1.714 |
| 38                                       | 1.312 | 1.360 | 1.408 | 1.456 | 1.504 | 1.552 | 1.601 | 1.649 | 1.697 | 1.745 | 1.794 | 1.842 | 1.890 |
| 40                                       | 1.440 | 1.492 | 1.545 | 1.598 | 1.651 | 1.703 | 1.756 | 1.809 | 1.862 | 1.915 | 1.968 | 2.021 | 2.074 |



续表47

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.717 | 0.774 | 0.830 | 0.887 | 0.944 | 1.001 | 1.058 | 1.115 | 1.172 | 1.229 | 1.286 | 1.343 | 1.400 | 1.458 |
| 44                                        | 0.780 | 0.842 | 0.903 | 0.965 | 1.027 | 1.089 | 1.150 | 1.212 | 1.274 | 1.337 | 1.399 | 1.461 | 1.523 | 1.586 |
| 46                                        | 0.846 | 0.912 | 0.979 | 1.046 | 1.113 | 1.180 | 1.247 | 1.314 | 1.381 | 1.448 | 1.516 | 1.583 | 1.651 | 1.718 |
| 48                                        | 0.913 | 0.985 | 1.057 | 1.129 | 1.202 | 1.274 | 1.346 | 1.419 | 1.492 | 1.564 | 1.637 | 1.710 | 1.783 | 1.856 |
| 50                                        | 0.983 | 1.061 | 1.138 | 1.216 | 1.294 | 1.372 | 1.450 | 1.528 | 1.606 | 1.684 | 1.762 | 1.841 | 1.919 | 1.998 |
| 52                                        | 1.055 | 1.139 | 1.222 | 1.305 | 1.389 | 1.472 | 1.556 | 1.640 | 1.724 | 1.808 | 1.892 | 1.976 | 2.060 | 2.145 |
| 54                                        | 1.130 | 1.219 | 1.308 | 1.397 | 1.487 | 1.576 | 1.666 | 1.756 | 1.845 | 1.935 | 2.025 | 2.116 | 2.206 | 2.296 |
| 56                                        | 1.207 | 1.302 | 1.397 | 1.492 | 1.588 | 1.683 | 1.779 | 1.875 | 1.971 | 2.067 | 2.163 | 2.259 | 2.356 | 2.452 |
| 58                                        | 1.286 | 1.387 | 1.488 | 1.590 | 1.692 | 1.794 | 1.896 | 1.998 | 2.100 | 2.202 | 2.305 | 2.407 | 2.510 | 2.613 |
| 60                                        | 1.367 | 1.475 | 1.583 | 1.691 | 1.799 | 1.907 | 2.015 | 2.124 | 2.233 | 2.342 | 2.450 | 2.559 | 2.669 | 2.778 |
| 62                                        | 1.450 | 1.565 | 1.679 | 1.794 | 1.909 | 2.023 | 2.138 | 2.254 | 2.369 | 2.484 | 2.600 | 2.716 | 2.832 | 2.948 |
| 64                                        | 1.536 | 1.657 | 1.778 | 1.900 | 2.021 | 2.143 | 2.265 | 2.387 | 2.509 | 2.631 | 2.754 | 2.876 | 2.999 | 3.122 |
| 66                                        |       | 1.752 | 1.880 | 2.008 | 2.137 | 2.266 | 2.394 | 2.523 | 2.653 | 2.782 | 2.911 | 3.041 | 3.170 | 3.300 |
| 68                                        |       | 1.849 | 1.984 | 2.120 | 2.255 | 2.391 | 2.527 | 2.663 | 2.800 | 2.936 | 3.073 | 3.209 | 3.346 | 3.483 |
| 70                                        |       |       | 2.091 | 2.234 | 2.377 | 2.520 | 2.663 | 2.807 | 2.950 | 3.094 | 3.238 | 3.382 | 3.526 | 3.671 |

续表47

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.515 | 1.573 | 1.630 | 1.688 | 1.745 | 1.803 | 1.860 | 1.918 | 1.976 | 2.034 | 2.091 | 2.149 | 2.207 | 2.265 |
| 44                                        | 1.648 | 1.711 | 1.773 | 1.836 | 1.898 | 1.961 | 2.024 | 2.086 | 2.149 | 2.212 | 2.275 | 2.338 | 2.401 | 2.464 |
| 46                                        | 1.786 | 1.854 | 1.921 | 1.989 | 2.057 | 2.125 | 2.193 | 2.261 | 2.329 | 2.397 | 2.465 | 2.533 | 2.602 | 2.670 |
| 48                                        | 1.929 | 2.002 | 2.075 | 2.148 | 2.222 | 2.295 | 2.368 | 2.442 | 2.515 | 2.589 | 2.662 | 2.736 | 2.810 | 2.883 |
| 50                                        | 2.077 | 2.155 | 2.234 | 2.313 | 2.392 | 2.471 | 2.550 | 2.629 | 2.708 | 2.787 | 2.866 | 2.946 | 3.025 | 3.104 |
| 52                                        | 2.229 | 2.314 | 2.398 | 2.483 | 2.567 | 2.652 | 2.737 | 2.822 | 2.907 | 2.992 | 3.077 | 3.162 | 3.247 | 3.332 |
| 54                                        | 2.386 | 2.477 | 2.567 | 2.658 | 2.749 | 2.839 | 2.930 | 3.021 | 3.112 | 3.203 | 3.294 | 3.385 | 3.476 | 3.568 |
| 56                                        | 2.549 | 2.645 | 2.742 | 2.839 | 2.936 | 3.032 | 3.129 | 3.226 | 3.324 | 3.421 | 3.518 | 3.615 | 3.713 | 3.810 |
| 58                                        | 2.716 | 2.819 | 2.922 | 3.025 | 3.128 | 3.231 | 3.334 | 3.438 | 3.541 | 3.645 | 3.748 | 3.852 | 3.956 | 4.060 |
| 60                                        | 2.887 | 2.997 | 3.106 | 3.216 | 3.325 | 3.435 | 3.545 | 3.655 | 3.765 | 3.875 | 3.985 | 4.095 | 4.206 | 4.316 |
| 62                                        | 3.064 | 3.180 | 3.296 | 3.412 | 3.529 | 3.645 | 3.762 | 3.878 | 3.995 | 4.112 | 4.229 | 4.346 | 4.463 | 4.580 |
| 64                                        | 3.244 | 3.367 | 3.491 | 3.614 | 3.737 | 3.860 | 3.984 | 4.107 | 4.231 | 4.355 | 4.478 | 4.602 | 4.726 | 4.850 |
| 66                                        | 3.430 | 3.560 | 3.690 | 3.820 | 3.951 | 4.081 | 4.212 | 4.342 | 4.473 | 4.604 | 4.735 | 4.866 | 4.997 | 5.128 |
| 68                                        | 3.620 | 3.758 | 3.895 | 4.032 | 4.170 | 4.307 | 4.445 | 4.583 | 4.721 | 4.859 | 4.997 | 5.135 | 5.274 | 5.412 |
| 70                                        | 3.815 | 3.960 | 4.104 | 4.249 | 4.394 | 4.539 | 4.684 | 4.830 | 4.975 | 5.120 | 5.266 | 5.412 | 5.557 | 5.703 |

## 四十九、西北地区云杉二元立木材积表 (三)

$$V = 0.000053108582 D^{1.7786670} H^{1.1280518}$$

表48

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |       |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.012 |
| 6                                      | 0.003 | 0.004 | 0.006 | 0.008 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.019 | 0.021 | 0.023 | 0.025 |
| 8                                      |       | 0.007 | 0.010 | 0.013 | 0.016 | 0.019 | 0.022 | 0.026 | 0.029 | 0.032 | 0.035 | 0.039 | 0.042 |
| 10                                     |       | 0.011 | 0.015 | 0.020 | 0.024 | 0.029 | 0.033 | 0.038 | 0.043 | 0.048 | 0.053 | 0.058 | 0.063 |
| 12                                     |       |       | 0.021 | 0.027 | 0.033 | 0.040 | 0.046 | 0.053 | 0.059 | 0.066 | 0.073 | 0.080 | 0.087 |
| 14                                     |       |       | 0.028 | 0.036 | 0.044 | 0.052 | 0.061 | 0.069 | 0.078 | 0.087 | 0.096 | 0.105 | 0.114 |
| 16                                     |       |       |       | 0.045 | 0.056 | 0.066 | 0.077 | 0.088 | 0.099 | 0.110 | 0.121 | 0.133 | 0.144 |
| 18                                     |       |       |       | 0.056 | 0.068 | 0.082 | 0.095 | 0.108 | 0.122 | 0.136 | 0.150 | 0.164 | 0.178 |
| 20                                     |       |       |       |       | 0.083 | 0.098 | 0.114 | 0.131 | 0.147 | 0.164 | 0.181 | 0.198 | 0.215 |
| 22                                     |       |       |       |       | 0.098 | 0.116 | 0.135 | 0.155 | 0.174 | 0.194 | 0.214 | 0.234 | 0.255 |
| 24                                     |       |       |       |       |       | 0.139 | 0.158 | 0.181 | 0.203 | 0.226 | 0.250 | 0.273 | 0.297 |
| 26                                     |       |       |       |       |       | 0.157 | 0.182 | 0.208 | 0.234 | 0.261 | 0.288 | 0.315 | 0.343 |
| 28                                     |       |       |       |       |       |       | 0.208 | 0.237 | 0.267 | 0.298 | 0.329 | 0.360 | 0.391 |
| 30                                     |       |       |       |       |       |       | 0.235 | 0.268 | 0.302 | 0.337 | 0.371 | 0.406 | 0.442 |
| 32                                     |       |       |       |       |       |       |       | 0.301 | 0.339 | 0.378 | 0.417 | 0.456 | 0.496 |
| 34                                     |       |       |       |       |       |       |       | 0.335 | 0.378 | 0.421 | 0.464 | 0.508 | 0.552 |
| 36                                     |       |       |       |       |       |       |       |       | 0.418 | 0.466 | 0.514 | 0.562 | 0.611 |
| 38                                     |       |       |       |       |       |       |       |       | 0.460 | 0.513 | 0.566 | 0.619 | 0.673 |
| 40                                     |       |       |       |       |       |       |       |       |       | 0.562 | 0.620 | 0.678 | 0.737 |

续表 48

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                        | 0.013 |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                        | 0.027 | 0.029 |       |       |       |       |       |       |       |       |       |       |       |
| 8                                        | 0.046 | 0.049 | 0.052 | 0.056 |       |       |       |       |       |       |       |       |       |
| 10                                       | 0.068 | 0.073 | 0.078 | 0.083 |       |       |       |       |       |       |       |       |       |
| 12                                       | 0.094 | 0.101 | 0.108 | 0.115 | 0.122 | 0.130 |       |       |       |       |       |       |       |
| 14                                       | 0.123 | 0.132 | 0.142 | 0.151 | 0.161 | 0.170 | 0.180 | 0.190 |       |       |       |       |       |
| 16                                       | 0.156 | 0.168 | 0.180 | 0.192 | 0.204 | 0.216 | 0.228 | 0.241 | 0.253 | 0.265 |       |       |       |
| 18                                       | 0.193 | 0.207 | 0.222 | 0.237 | 0.251 | 0.266 | 0.281 | 0.297 | 0.312 | 0.327 | 0.343 | 0.358 |       |
| 20                                       | 0.232 | 0.250 | 0.267 | 0.285 | 0.303 | 0.321 | 0.339 | 0.358 | 0.376 | 0.395 | 0.413 | 0.432 | 0.451 |
| 22                                       | 0.275 | 0.296 | 0.317 | 0.338 | 0.359 | 0.381 | 0.402 | 0.424 | 0.446 | 0.468 | 0.490 | 0.512 | 0.534 |
| 24                                       | 0.321 | 0.345 | 0.370 | 0.395 | 0.419 | 0.444 | 0.469 | 0.495 | 0.520 | 0.546 | 0.572 | 0.597 | 0.623 |
| 26                                       | 0.370 | 0.398 | 0.427 | 0.455 | 0.484 | 0.512 | 0.541 | 0.570 | 0.600 | 0.629 | 0.659 | 0.689 | 0.719 |
| 28                                       | 0.423 | 0.454 | 0.487 | 0.519 | 0.552 | 0.585 | 0.618 | 0.651 | 0.684 | 0.718 | 0.752 | 0.786 | 0.820 |
| 30                                       | 0.478 | 0.514 | 0.550 | 0.587 | 0.624 | 0.661 | 0.698 | 0.736 | 0.774 | 0.812 | 0.850 | 0.888 | 0.927 |
| 32                                       | 0.536 | 0.576 | 0.617 | 0.658 | 0.700 | 0.741 | 0.783 | 0.825 | 0.868 | 0.910 | 0.953 | 0.997 | 1.040 |
| 34                                       | 0.597 | 0.642 | 0.687 | 0.733 | 0.779 | 0.826 | 0.872 | 0.919 | 0.967 | 1.014 | 1.062 | 1.110 | 1.153 |
| 36                                       | 0.661 | 0.711 | 0.761 | 0.812 | 0.863 | 0.914 | 0.966 | 1.018 | 1.070 | 1.123 | 1.176 | 1.229 | 1.282 |
| 38                                       | 0.727 | 0.782 | 0.838 | 0.893 | 0.950 | 1.006 | 1.063 | 1.120 | 1.178 | 1.236 | 1.294 | 1.353 | 1.412 |
| 40                                       | 0.797 | 0.857 | 0.918 | 0.979 | 1.040 | 1.102 | 1.165 | 1.227 | 1.291 | 1.354 | 1.418 | 1.482 | 1.546 |

续表48

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        | 0.470 |       |       |       |       |       |       |       |       |       |       |       |       |
| 22                                        | 0.556 | 0.579 | 0.601 |       |       |       |       |       |       |       |       |       |       |
| 24                                        | 0.649 | 0.676 | 0.702 | 0.729 | 0.755 |       |       |       |       |       |       |       |       |
| 26                                        | 0.749 | 0.779 | 0.809 | 0.840 | 0.871 | 0.901 | 0.932 |       |       |       |       |       |       |
| 28                                        | 0.854 | 0.889 | 0.924 | 0.958 | 0.993 | 1.028 | 1.064 | 1.099 |       |       |       |       |       |
| 30                                        | 0.966 | 1.005 | 1.044 | 1.083 | 1.123 | 1.163 | 1.202 | 1.242 | 1.283 |       |       |       |       |
| 32                                        | 1.083 | 1.127 | 1.171 | 1.215 | 1.260 | 1.304 | 1.349 | 1.394 | 1.439 | 1.484 |       |       |       |
| 34                                        | 1.207 | 1.255 | 1.304 | 1.354 | 1.403 | 1.453 | 1.502 | 1.552 | 1.602 | 1.653 | 1.703 |       |       |
| 36                                        | 1.336 | 1.390 | 1.444 | 1.498 | 1.553 | 1.608 | 1.663 | 1.718 | 1.774 | 1.829 | 1.885 | 1.941 |       |
| 38                                        | 1.471 | 1.530 | 1.590 | 1.650 | 1.710 | 1.770 | 1.831 | 1.892 | 1.953 | 2.014 | 2.076 | 2.137 | 2.199 |
| 40                                        | 1.611 | 1.676 | 1.742 | 1.807 | 1.873 | 1.939 | 2.006 | 2.072 | 2.139 | 2.207 | 2.274 | 2.342 | 2.409 |

续表48

| $\begin{matrix} V & H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 0.676 | 0.740 | 0.894 | 0.869 | 0.935 | 1.001 | 1.068 | 1.135 | 1.202 | 1.270 | 1.339 | 1.408 | 1.477 |
| 44                                       | 0.734 | 0.803 | 0.873 | 0.944 | 1.015 | 1.087 | 1.160 | 1.233 | 1.306 | 1.380 | 1.454 | 1.529 | 1.604 |
| 46                                       | 0.794 | 0.869 | 0.945 | 1.022 | 1.099 | 1.177 | 1.255 | 1.334 | 1.413 | 1.493 | 1.574 | 1.655 | 1.736 |
| 48                                       |       | 0.938 | 1.020 | 1.102 | 1.185 | 1.269 | 1.354 | 1.439 | 1.525 | 1.611 | 1.698 | 1.785 | 1.873 |
| 50                                       |       | 1.008 | 1.096 | 1.185 | 1.275 | 1.365 | 1.456 | 1.547 | 1.639 | 1.732 | 1.826 | 1.919 | 2.014 |
| 52                                       |       |       | 1.176 | 1.271 | 1.367 | 1.463 | 1.561 | 1.659 | 1.758 | 1.857 | 1.957 | 2.058 | 2.159 |
| 54                                       |       |       | 1.257 | 1.359 | 1.462 | 1.565 | 1.669 | 1.774 | 1.880 | 1.986 | 2.093 | 2.201 | 2.309 |
| 56                                       |       |       |       | 1.450 | 1.559 | 1.670 | 1.781 | 1.893 | 2.006 | 2.119 | 2.233 | 2.348 | 2.464 |
| 58                                       |       |       |       | 1.543 | 1.660 | 1.777 | 1.896 | 2.015 | 2.135 | 2.256 | 2.377 | 2.499 | 2.622 |
| 60                                       |       |       |       |       | 1.763 | 1.888 | 2.013 | 2.140 | 2.267 | 2.396 | 2.525 | 2.655 | 2.785 |
| 62                                       |       |       |       |       | 1.869 | 2.001 | 2.134 | 2.268 | 2.404 | 2.540 | 2.676 | 2.814 | 2.952 |
| 64                                       |       |       |       |       |       | 2.117 | 2.258 | 2.400 | 2.543 | 2.687 | 2.832 | 2.978 | 3.124 |
| 66                                       |       |       |       |       |       | 2.236 | 2.385 | 2.535 | 2.686 | 2.838 | 2.991 | 3.145 | 3.300 |
| 68                                       |       |       |       |       |       |       | 2.515 | 2.674 | 2.833 | 2.993 | 3.154 | 3.317 | 3.480 |
| 70                                       |       |       |       |       |       |       | 2.648 | 2.815 | 2.983 | 3.151 | 3.321 | 3.492 | 3.664 |
| 72                                       |       |       |       |       |       |       | 2.785 | 2.960 | 3.136 | 3.313 | 3.492 | 3.671 | 3.852 |
| 74                                       |       |       |       |       |       |       | 2.924 | 3.107 | 3.293 | 3.479 | 3.666 | 3.855 | 4.044 |
| 76                                       |       |       |       |       |       |       | 3.066 | 3.258 | 3.453 | 3.648 | 3.844 | 4.042 | 4.241 |
| 78                                       |       |       |       |       |       |       | 3.211 | 3.412 | 3.616 | 3.820 | 4.026 | 4.233 | 4.441 |
| 80                                       |       |       |       |       |       |       | 3.358 | 3.570 | 3.782 | 3.996 | 4.212 | 4.428 | 4.646 |

续表48

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.546 | 1.616 | 1.687 | 1.757 | 1.828 | 1.900 | 1.971 | 2.043 | 2.115 | 2.188 | 2.260 | 2.333 | 2.407 |
| 44                                        | 1.680 | 1.756 | 1.832 | 1.909 | 1.986 | 2.063 | 2.141 | 2.219 | 2.298 | 2.376 | 2.455 | 2.535 | 2.614 |
| 46                                        | 1.818 | 1.900 | 1.983 | 2.066 | 2.149 | 2.233 | 2.317 | 2.402 | 2.487 | 2.572 | 2.657 | 2.743 | 2.829 |
| 48                                        | 1.961 | 2.050 | 2.139 | 2.228 | 2.318 | 2.409 | 2.500 | 2.591 | 2.682 | 2.774 | 2.866 | 2.959 | 3.052 |
| 50                                        | 2.109 | 2.204 | 2.300 | 2.396 | 2.493 | 2.590 | 2.688 | 2.786 | 2.884 | 2.983 | 3.082 | 3.182 | 3.282 |
| 52                                        | 2.261 | 2.363 | 2.466 | 2.569 | 2.673 | 2.777 | 2.882 | 2.987 | 3.093 | 3.199 | 3.305 | 3.412 | 3.519 |
| 54                                        | 2.418 | 2.527 | 2.637 | 2.748 | 2.859 | 2.970 | 3.082 | 3.195 | 3.307 | 3.421 | 3.534 | 3.648 | 3.763 |
| 56                                        | 2.580 | 2.696 | 2.814 | 2.931 | 3.050 | 3.169 | 3.288 | 3.408 | 3.528 | 3.649 | 3.770 | 3.892 | 4.014 |
| 58                                        | 2.746 | 2.870 | 2.995 | 3.120 | 3.246 | 3.373 | 3.500 | 3.627 | 3.756 | 3.884 | 4.013 | 4.143 | 4.273 |
| 60                                        | 2.916 | 3.048 | 3.181 | 3.314 | 3.448 | 3.582 | 3.717 | 3.853 | 3.989 | 4.126 | 4.263 | 4.400 | 4.539 |
| 62                                        | 3.092 | 3.231 | 3.372 | 3.513 | 3.655 | 3.798 | 3.941 | 4.084 | 4.229 | 4.373 | 4.519 | 4.665 | 4.811 |
| 64                                        | 3.271 | 3.419 | 3.568 | 3.717 | 3.867 | 4.018 | 4.170 | 4.322 | 4.474 | 4.627 | 4.781 | 4.936 | 5.091 |
| 66                                        | 3.455 | 3.612 | 3.769 | 3.926 | 4.085 | 4.244 | 4.404 | 4.565 | 4.726 | 4.888 | 5.050 | 5.213 | 5.377 |
| 68                                        | 3.644 | 3.808 | 3.974 | 4.141 | 4.308 | 4.476 | 4.644 | 4.814 | 4.984 | 5.154 | 5.326 | 5.498 | 5.670 |
| 70                                        | 3.836 | 4.010 | 4.184 | 4.360 | 4.536 | 4.712 | 4.890 | 5.068 | 5.247 | 5.427 | 5.607 | 5.789 | 5.970 |
| 72                                        | 4.034 | 4.216 | 4.399 | 4.584 | 4.769 | 4.955 | 5.141 | 5.329 | 5.517 | 5.706 | 5.896 | 6.086 | 6.277 |
| 74                                        | 4.235 | 4.427 | 4.619 | 4.813 | 5.007 | 5.202 | 5.398 | 5.595 | 5.793 | 5.991 | 6.190 | 6.390 | 6.590 |
| 76                                        | 4.441 | 4.642 | 4.843 | 5.046 | 5.250 | 5.455 | 5.660 | 5.867 | 6.074 | 6.282 | 6.491 | 6.700 | 6.911 |
| 78                                        | 4.651 | 4.861 | 5.073 | 5.285 | 5.498 | 5.713 | 5.928 | 6.144 | 6.361 | 6.579 | 6.798 | 7.017 | 7.237 |
| 80                                        | 4.865 | 5.085 | 5.306 | 5.528 | 5.752 | 5.976 | 6.201 | 6.427 | 6.654 | 6.882 | 7.111 | 7.340 | 7.571 |

续表 48

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48     | 49     | 50     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 42                                        | 2.480 | 2.554 | 2.628 | 2.702 |       |       |       |       |       |       |        |        |        |
| 44                                        | 2.694 | 2.774 | 2.854 | 2.935 | 3.016 |       |       |       |       |       |        |        |        |
| 46                                        | 2.916 | 3.002 | 3.089 | 3.177 | 3.264 |       |       |       |       |       |        |        |        |
| 48                                        | 3.145 | 3.238 | 3.332 | 3.426 | 3.521 | 3.616 |       |       |       |       |        |        |        |
| 50                                        | 3.382 | 3.482 | 3.583 | 3.684 | 3.786 | 3.888 |       |       |       |       |        |        |        |
| 52                                        | 3.628 | 3.734 | 3.842 | 3.951 | 4.059 | 4.169 | 4.278 |       |       |       |        |        |        |
| 54                                        | 3.878 | 3.993 | 4.109 | 4.225 | 4.341 | 4.458 | 4.575 | 4.693 |       |       |        |        |        |
| 56                                        | 4.137 | 4.260 | 4.383 | 4.507 | 4.631 | 4.756 | 4.881 | 5.006 | 5.132 |       |        |        |        |
| 58                                        | 4.403 | 4.534 | 4.666 | 4.798 | 4.930 | 5.062 | 5.195 | 5.329 | 5.463 | 5.597 |        |        |        |
| 60                                        | 4.677 | 4.816 | 4.956 | 5.096 | 5.236 | 5.377 | 5.518 | 5.660 | 5.802 | 5.945 | 6.087  |        |        |
| 62                                        | 4.958 | 5.105 | 5.253 | 5.402 | 5.551 | 5.700 | 5.850 | 6.000 | 6.150 | 6.302 | 6.453  | 6.605  | 6.757  |
| 64                                        | 5.246 | 5.402 | 5.559 | 5.716 | 5.873 | 6.031 | 6.190 | 6.348 | 6.508 | 6.668 | 6.828  | 6.989  | 7.150  |
| 66                                        | 5.541 | 5.706 | 5.871 | 6.037 | 6.203 | 6.370 | 6.538 | 6.706 | 6.874 | 7.043 | 7.212  | 7.382  | 7.552  |
| 68                                        | 5.843 | 6.017 | 6.191 | 6.366 | 6.542 | 6.718 | 6.894 | 7.071 | 7.249 | 7.427 | 7.605  | 7.784  | 7.964  |
| 70                                        | 6.153 | 6.336 | 6.519 | 6.703 | 6.888 | 7.073 | 7.259 | 7.445 | 7.632 | 7.820 | 8.008  | 8.196  | 8.385  |
| 72                                        | 6.459 | 6.661 | 6.854 | 7.048 | 7.242 | 7.437 | 7.632 | 7.828 | 8.024 | 8.222 | 8.419  | 8.617  | 8.816  |
| 74                                        | 6.792 | 6.994 | 7.196 | 7.400 | 7.604 | 7.808 | 8.013 | 8.219 | 8.425 | 8.632 | 8.840  | 9.048  | 9.256  |
| 76                                        | 7.122 | 7.333 | 7.546 | 7.759 | 7.973 | 8.187 | 8.402 | 8.618 | 8.835 | 9.051 | 9.269  | 9.487  | 9.706  |
| 78                                        | 7.458 | 7.680 | 7.903 | 8.126 | 8.350 | 8.574 | 8.800 | 9.026 | 9.252 | 9.479 | 9.707  | 9.936  | 10.165 |
| 80                                        | 7.802 | 8.034 | 8.267 | 8.500 | 8.734 | 8.969 | 9.205 | 9.441 | 9.678 | 9.916 | 10.154 | 10.393 | 10.633 |



## 五十、西北地区山杨二元立木材积表

$$V = 0.000054031091 D^{1.8440215} H^{0.83067388}$$

表49

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 |       |       |       |       |
| 6                                      | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 | 0.022 |       |
| 8                                      |       | 0.009 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.033 | 0.036 | 0.038 | 0.041 |
| 10                                     |       | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.040 | 0.044 | 0.048 | 0.052 | 0.055 | 0.059 | 0.063 |
| 12                                     |       |       | 0.025 | 0.030 | 0.036 | 0.041 | 0.047 | 0.052 | 0.058 | 0.063 | 0.068 | 0.074 | 0.079 | 0.084 | 0.089 |
| 14                                     |       |       | 0.033 | 0.041 | 0.048 | 0.056 | 0.063 | 0.071 | 0.078 | 0.085 | 0.092 | 0.099 | 0.107 | 0.114 | 0.121 |
| 16                                     |       |       |       | 0.053 | 0.063 | 0.072 | 0.082 | 0.092 | 0.101 | 0.110 | 0.120 | 0.129 | 0.138 | 0.147 | 0.156 |
| 18                                     |       |       |       | 0.067 | 0.079 | 0.091 | 0.103 | 0.115 | 0.127 | 0.139 | 0.150 | 0.162 | 0.174 | 0.185 | 0.197 |
| 20                                     |       |       |       |       | 0.097 | 0.112 | 0.127 | 0.141 | 0.156 | 0.170 | 0.185 | 0.199 | 0.213 | 0.227 | 0.241 |
| 22                                     |       |       |       |       |       | 0.135 | 0.152 | 0.170 | 0.188 | 0.205 | 0.222 | 0.239 | 0.256 | 0.273 | 0.290 |
| 24                                     |       |       |       |       |       | 0.159 | 0.180 | 0.201 | 0.222 | 0.243 | 0.263 | 0.283 | 0.304 | 0.324 | 0.344 |
| 26                                     |       |       |       |       |       |       | 0.211 | 0.235 | 0.259 | 0.284 | 0.307 | 0.331 | 0.355 | 0.378 | 0.402 |
| 28                                     |       |       |       |       |       |       | 0.243 | 0.272 | 0.300 | 0.327 | 0.355 | 0.383 | 0.410 | 0.437 | 0.464 |
| 30                                     |       |       |       |       |       |       |       | 0.311 | 0.343 | 0.374 | 0.406 | 0.437 | 0.469 | 0.500 | 0.531 |
| 32                                     |       |       |       |       |       |       |       |       | 0.388 | 0.425 | 0.460 | 0.496 | 0.531 | 0.567 | 0.602 |
| 34                                     |       |       |       |       |       |       |       |       |       | 0.478 | 0.518 | 0.558 | 0.598 | 0.637 | 0.677 |
| 36                                     |       |       |       |       |       |       |       |       |       |       | 0.579 | 0.624 | 0.668 | 0.712 | 0.756 |
| 38                                     |       |       |       |       |       |       |       |       |       |       |       | 0.693 | 0.742 | 0.791 | 0.840 |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.820 | 0.874 | 0.928 |
| 42                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.021 |
| 44                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.117 |
| 46                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.218 |
| 48                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.323 |
| 50                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.433 |

续表49

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.043 | 0.045 | 0.048 | 0.050 |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.066 | 0.070 | 0.074 | 0.077 | 0.081 |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.095 | 0.100 | 0.105 | 0.110 | 0.115 | 0.120 |       |       |       |       |       |       |       |       |
| 14                                        | 0.128 | 0.135 | 0.142 | 0.148 | 0.155 | 0.162 | 0.169 |       |       |       |       |       |       |       |
| 16                                        | 0.165 | 0.174 | 0.183 | 0.192 | 0.201 | 0.210 | 0.219 | 0.228 |       |       |       |       |       |       |
| 18                                        | 0.208 | 0.219 | 0.231 | 0.242 | 0.253 | 0.264 | 0.276 | 0.287 |       |       |       |       |       |       |
| 20                                        | 0.255 | 0.269 | 0.283 | 0.297 | 0.311 | 0.325 | 0.338 | 0.352 | 0.366 |       |       |       |       |       |
| 22                                        | 0.307 | 0.324 | 0.341 | 0.357 | 0.374 | 0.391 | 0.407 | 0.424 | 0.440 | 0.456 |       |       |       |       |
| 24                                        | 0.364 | 0.384 | 0.404 | 0.423 | 0.443 | 0.463 | 0.482 | 0.502 | 0.521 | 0.540 | 0.560 |       |       |       |
| 26                                        | 0.425 | 0.448 | 0.472 | 0.495 | 0.518 | 0.540 | 0.563 | 0.586 | 0.609 | 0.631 | 0.654 |       |       |       |
| 28                                        | 0.491 | 0.518 | 0.545 | 0.571 | 0.598 | 0.624 | 0.651 | 0.677 | 0.703 | 0.729 | 0.755 | 0.781 |       |       |
| 30                                        | 0.561 | 0.592 | 0.623 | 0.653 | 0.684 | 0.714 | 0.744 | 0.774 | 0.804 | 0.834 | 0.864 | 0.893 |       |       |
| 32                                        | 0.637 | 0.671 | 0.706 | 0.740 | 0.775 | 0.809 | 0.843 | 0.877 | 0.911 | 0.945 | 0.979 | 1.013 | 1.046 | 1.080 |
| 34                                        | 0.716 | 0.755 | 0.794 | 0.833 | 0.872 | 0.910 | 0.949 | 0.987 | 1.025 | 1.064 | 1.102 | 1.139 | 1.177 | 1.215 |
| 36                                        | 0.800 | 0.844 | 0.888 | 0.931 | 0.974 | 1.017 | 1.060 | 1.103 | 1.146 | 1.189 | 1.231 | 1.273 | 1.316 | 1.358 |
| 38                                        | 0.889 | 0.938 | 0.986 | 1.034 | 1.082 | 1.130 | 1.178 | 1.225 | 1.273 | 1.320 | 1.367 | 1.415 | 1.461 | 1.508 |
| 40                                        | 0.982 | 1.036 | 1.089 | 1.143 | 1.196 | 1.249 | 1.301 | 1.354 | 1.406 | 1.459 | 1.511 | 1.563 | 1.615 | 1.666 |
| 42                                        | 1.080 | 1.139 | 1.198 | 1.256 | 1.315 | 1.373 | 1.431 | 1.489 | 1.546 | 1.604 | 1.661 | 1.718 | 1.775 | 1.832 |
| 44                                        | 1.182 | 1.247 | 1.311 | 1.375 | 1.439 | 1.503 | 1.566 | 1.630 | 1.693 | 1.756 | 1.818 | 1.881 | 1.943 | 2.006 |
| 46                                        | 1.289 | 1.359 | 1.429 | 1.499 | 1.569 | 1.638 | 1.708 | 1.777 | 1.845 | 1.914 | 1.983 | 2.051 | 2.119 | 2.187 |
| 48                                        | 1.400 | 1.477 | 1.553 | 1.629 | 1.704 | 1.780 | 1.855 | 1.930 | 2.005 | 2.079 | 2.154 | 2.228 | 2.302 | 2.375 |
| 50                                        | 1.516 | 1.599 | 1.681 | 1.763 | 1.845 | 1.927 | 2.008 | 2.089 | 2.170 | 2.251 | 2.331 | 2.412 | 2.492 | 2.572 |

## 五十一、西北地区桦木二元立木材积表

$$V = 0.000052286055 D^{1.8593621} H^{1.0140715}$$

表50

| $V$<br>$D \backslash H$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |
| 4                       | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 |       |       |       |       |       |
| 6                       | 0.003 | 0.004 | 0.006 | 0.007 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 |       |       |       |
| 8                       | 0.005 | 0.008 | 0.010 | 0.013 | 0.015 | 0.018 | 0.021 | 0.023 | 0.026 | 0.028 | 0.031 |       |
| 10                      |       | 0.012 | 0.015 | 0.019 | 0.023 | 0.027 | 0.031 | 0.035 | 0.039 | 0.043 | 0.047 | 0.051 |
| 12                      |       |       | 0.022 | 0.027 | 0.033 | 0.038 | 0.044 | 0.049 | 0.055 | 0.060 | 0.066 | 0.072 |
| 14                      |       |       |       | 0.036 | 0.044 | 0.051 | 0.058 | 0.066 | 0.073 | 0.080 | 0.088 | 0.095 |
| 16                      |       |       |       | 0.046 | 0.056 | 0.065 | 0.075 | 0.084 | 0.094 | 0.103 | 0.113 | 0.122 |
| 18                      |       |       |       |       | 0.069 | 0.081 | 0.093 | 0.105 | 0.117 | 0.128 | 0.140 | 0.152 |
| 20                      |       |       |       |       | 0.084 | 0.099 | 0.113 | 0.127 | 0.142 | 0.156 | 0.171 | 0.185 |
| 22                      |       |       |       |       |       | 0.118 | 0.135 | 0.152 | 0.169 | 0.186 | 0.204 | 0.221 |
| 24                      |       |       |       |       |       | 0.139 | 0.159 | 0.179 | 0.199 | 0.219 | 0.239 | 0.260 |
| 26                      |       |       |       |       |       |       | 0.184 | 0.207 | 0.231 | 0.254 | 0.278 | 0.301 |
| 28                      |       |       |       |       |       |       |       | 0.238 | 0.265 | 0.292 | 0.319 | 0.346 |
| 30                      |       |       |       |       |       |       |       |       | 0.301 | 0.332 | 0.362 | 0.393 |
| 32                      |       |       |       |       |       |       |       |       |       | 0.374 | 0.409 | 0.443 |
| 34                      |       |       |       |       |       |       |       |       |       |       | 0.457 | 0.496 |
| 36                      |       |       |       |       |       |       |       |       |       |       |       | 0.552 |
| 38                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 40                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 42                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 44                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 46                      |       |       |       |       |       |       |       |       |       |       |       |       |

续表50

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        | 0.055 |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.077 | 0.083 | 0.088 |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.103 | 0.110 | 0.118 | 0.125 | 0.133 |       |       |       |       |       |       |       |
| 16                                        | 0.132 | 0.141 | 0.151 | 0.160 | 0.170 | 0.179 | 0.189 |       |       |       |       |       |
| 18                                        | 0.164 | 0.176 | 0.188 | 0.200 | 0.212 | 0.223 | 0.235 | 0.247 | 0.259 |       |       |       |
| 20                                        | 0.199 | 0.214 | 0.228 | 0.243 | 0.257 | 0.272 | 0.286 | 0.301 | 0.315 | 0.330 | 0.344 |       |
| 22                                        | 0.238 | 0.255 | 0.273 | 0.290 | 0.307 | 0.324 | 0.342 | 0.359 | 0.376 | 0.394 | 0.411 | 0.429 |
| 24                                        | 0.280 | 0.300 | 0.320 | 0.341 | 0.361 | 0.381 | 0.402 | 0.422 | 0.443 | 0.463 | 0.483 | 0.504 |
| 26                                        | 0.325 | 0.348 | 0.372 | 0.395 | 0.419 | 0.443 | 0.466 | 0.490 | 0.514 | 0.537 | 0.561 | 0.585 |
| 28                                        | 0.373 | 0.400 | 0.427 | 0.454 | 0.481 | 0.508 | 0.535 | 0.562 | 0.590 | 0.617 | 0.644 | 0.671 |
| 30                                        | 0.424 | 0.454 | 0.485 | 0.516 | 0.547 | 0.578 | 0.608 | 0.639 | 0.670 | 0.701 | 0.732 | 0.763 |
| 32                                        | 0.478 | 0.512 | 0.547 | 0.582 | 0.617 | 0.651 | 0.686 | 0.721 | 0.756 | 0.790 | 0.825 | 0.860 |
| 34                                        | 0.535 | 0.574 | 0.612 | 0.651 | 0.690 | 0.729 | 0.768 | 0.807 | 0.846 | 0.885 | 0.924 | 0.963 |
| 36                                        | 0.595 | 0.638 | 0.681 | 0.724 | 0.767 | 0.811 | 0.854 | 0.897 | 0.941 | 0.984 | 1.027 | 1.071 |
| 38                                        | 0.658 | 0.705 | 0.753 | 0.801 | 0.849 | 0.896 | 0.944 | 0.992 | 1.040 | 1.088 | 1.136 | 1.184 |
| 40                                        | 0.724 | 0.776 | 0.828 | 0.881 | 0.934 | 0.986 | 1.039 | 1.091 | 1.144 | 1.197 | 1.250 | 1.303 |
| 42                                        | 0.792 | 0.850 | 0.907 | 0.965 | 1.022 | 1.080 | 1.137 | 1.195 | 1.253 | 1.311 | 1.368 | 1.426 |
| 44                                        | 0.864 | 0.926 | 0.989 | 1.052 | 1.115 | 1.177 | 1.240 | 1.303 | 1.366 | 1.429 | 1.492 | 1.555 |
| 46                                        | 0.938 | 1.006 | 1.074 | 1.142 | 1.211 | 1.279 | 1.347 | 1.415 | 1.484 | 1.552 | 1.621 | 1.689 |

续表50

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 12                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 14                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 16                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 18                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 20                                        |       |       |       |       |       |       |       |       |       |       |  |  |
| 22                                        | 0.446 |       |       |       |       |       |       |       |       |       |  |  |
| 24                                        | 0.524 | 0.545 | 0.565 |       |       |       |       |       |       |       |  |  |
| 26                                        | 0.608 | 0.632 | 0.656 | 0.680 | 0.703 |       |       |       |       |       |  |  |
| 28                                        | 0.693 | 0.726 | 0.753 | 0.780 | 0.807 | 0.835 | 0.862 |       |       |       |  |  |
| 30                                        | 0.794 | 0.825 | 0.856 | 0.887 | 0.918 | 0.949 | 0.980 | 1.011 | 1.042 |       |  |  |
| 32                                        | 0.895 | 0.930 | 0.965 | 1.000 | 1.035 | 1.070 | 1.105 | 1.140 | 1.175 | 1.210 |  |  |
| 34                                        | 1.002 | 1.041 | 1.080 | 1.119 | 1.158 | 1.198 | 1.237 | 1.276 | 1.315 | 1.354 |  |  |
| 36                                        | 1.114 | 1.158 | 1.201 | 1.245 | 1.288 | 1.332 | 1.375 | 1.419 | 1.463 | 1.506 |  |  |
| 38                                        | 1.232 | 1.280 | 1.328 | 1.376 | 1.425 | 1.473 | 1.521 | 1.569 | 1.617 | 1.666 |  |  |
| 40                                        | 1.355 | 1.408 | 1.461 | 1.514 | 1.567 | 1.620 | 1.673 | 1.726 | 1.779 | 1.832 |  |  |
| 42                                        | 1.484 | 1.542 | 1.600 | 1.658 | 1.716 | 1.774 | 1.832 | 1.890 | 1.948 | 2.006 |  |  |
| 44                                        | 1.618 | 1.681 | 1.745 | 1.808 | 1.871 | 1.934 | 1.998 | 2.061 | 2.124 | 2.188 |  |  |
| 46                                        | 1.758 | 1.826 | 1.895 | 1.964 | 2.032 | 2.101 | 2.170 | 2.238 | 2.307 | 2.376 |  |  |

## 五十二、西北地区栎类二元立木材积表

$$V = 0.000060970532 D^{1.8735078} H^{0.94157465}$$

表51

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |       |
| 4                                      | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |       |       |       |
| 6                                      | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.020 |       |       |       |
| 8                                      |       | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.024 | 0.026 | 0.029 | 0.031 | 0.034 | 0.036 | 0.038 |       |
| 10                                     |       |       | 0.017 | 0.021 | 0.025 | 0.028 | 0.032 | 0.036 | 0.040 | 0.044 | 0.047 | 0.051 | 0.055 | 0.058 | 0.062 |
| 12                                     |       |       |       | 0.029 | 0.035 | 0.040 | 0.045 | 0.051 | 0.056 | 0.061 | 0.067 | 0.072 | 0.077 | 0.082 | 0.087 |
| 14                                     |       |       |       |       | 0.046 | 0.053 | 0.061 | 0.068 | 0.075 | 0.082 | 0.089 | 0.096 | 0.103 | 0.110 | 0.116 |
| 16                                     |       |       |       |       |       | 0.069 | 0.078 | 0.087 | 0.096 | 0.105 | 0.114 | 0.123 | 0.132 | 0.141 | 0.150 |
| 18                                     |       |       |       |       |       |       | 0.097 | 0.108 | 0.120 | 0.131 | 0.142 | 0.153 | 0.164 | 0.175 | 0.186 |
| 20                                     |       |       |       |       |       |       |       | 0.132 | 0.146 | 0.160 | 0.173 | 0.187 | 0.200 | 0.214 | 0.227 |
| 22                                     |       |       |       |       |       |       |       |       | 0.174 | 0.191 | 0.207 | 0.223 | 0.240 | 0.256 | 0.272 |
| 24                                     |       |       |       |       |       |       |       |       |       | 0.225 | 0.244 | 0.263 | 0.282 | 0.301 | 0.320 |
| 26                                     |       |       |       |       |       |       |       |       |       |       | 0.283 | 0.305 | 0.328 | 0.350 | 0.371 |
| 28                                     |       |       |       |       |       |       |       |       |       |       | 0.325 | 0.351 | 0.376 | 0.402 | 0.427 |
| 30                                     |       |       |       |       |       |       |       |       |       |       |       | 0.399 | 0.428 | 0.457 | 0.486 |
| 32                                     |       |       |       |       |       |       |       |       |       |       |       | 0.451 | 0.483 | 0.516 | 0.548 |
| 34                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.541 | 0.578 | 0.614 |
| 36                                     |       |       |       |       |       |       |       |       |       |       |       |       | 0.603 | 0.643 | 0.683 |
| 38                                     |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.712 | 0.756 |
| 40                                     |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.783 | 0.832 |
| 42                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.912 |
| 44                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.995 |
| 46                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.082 |
| 48                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.171 |
| 50                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.265 |

续表51

| <div><div><div><div><div></div><div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></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五十三、西北地区阔叶树二元立木材积表

$V=0.000057887451 D^{1.8445849} H^{0.98088457}$

表52

| <div><div><div><div><div></div><div><math>V</math></div></div><div><math>H</math></div></div><div><div><div><math>D</math></div><div></div></div></div></div></div> | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                                                                                                                                                   | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |       |       |       |
| 4                                                                                                                                                                   | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 | 0.007 |       |       |       |       |       |       |
| 6                                                                                                                                                                   | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.017 | 0.018 | 0.020 |       |       |       |
| 8                                                                                                                                                                   | 0.005 | 0.008 | 0.010 | 0.013 | 0.016 | 0.018 | 0.021 | 0.023 | 0.026 | 0.028 | 0.031 | 0.033 | 0.036 | 0.038 |       |
| 10                                                                                                                                                                  |       | 0.012 | 0.016 | 0.020 | 0.023 | 0.027 | 0.031 | 0.035 | 0.039 | 0.043 | 0.046 | 0.050 | 0.054 | 0.058 |       |
| 12                                                                                                                                                                  |       | 0.017 | 0.022 | 0.027 | 0.033 | 0.038 | 0.044 | 0.049 | 0.054 | 0.060 | 0.065 | 0.070 | 0.075 | 0.081 | 0.086 |
| 14                                                                                                                                                                  |       |       | 0.029 | 0.037 | 0.044 | 0.051 | 0.058 | 0.065 | 0.072 | 0.079 | 0.086 | 0.093 | 0.100 | 0.107 | 0.114 |
| 16                                                                                                                                                                  |       |       |       | 0.047 | 0.056 | 0.065 | 0.074 | 0.083 | 0.092 | 0.101 | 0.110 | 0.119 | 0.128 | 0.137 | 0.146 |
| 18                                                                                                                                                                  |       |       |       |       | 0.069 | 0.081 | 0.092 | 0.103 | 0.115 | 0.126 | 0.137 | 0.148 | 0.159 | 0.170 | 0.182 |
| 20                                                                                                                                                                  |       |       |       |       |       | 0.098 | 0.112 | 0.125 | 0.139 | 0.153 | 0.166 | 0.180 | 0.193 | 0.207 | 0.221 |
| 22                                                                                                                                                                  |       |       |       |       |       |       | 0.133 | 0.150 | 0.166 | 0.182 | 0.198 | 0.215 | 0.231 | 0.247 | 0.263 |
| 24                                                                                                                                                                  |       |       |       |       |       |       |       | 0.176 | 0.195 | 0.214 | 0.233 | 0.252 | 0.271 | 0.290 | 0.309 |
| 26                                                                                                                                                                  |       |       |       |       |       |       |       |       | 0.226 | 0.248 | 0.270 | 0.292 | 0.314 | 0.336 | 0.358 |
| 28                                                                                                                                                                  |       |       |       |       |       |       |       |       |       | 0.284 | 0.309 | 0.335 | 0.360 | 0.385 | 0.410 |
| 30                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       | 0.351 | 0.380 | 0.409 | 0.437 | 0.466 |
| 32                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       | 0.428 | 0.460 | 0.493 | 0.525 |
| 34                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       | 0.515 | 0.551 | 0.587 |
| 36                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       | 0.572 | 0.612 | 0.652 |
| 38                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.676 | 0.721 |
| 40                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.744 | 0.792 |
| 42                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.867 |
| 44                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.944 |
| 46                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.025 |
| 48                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.109 |
| 50                                                                                                                                                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.196 |



续表52

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.091 | 0.096 | 0.102 | 0.107 |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.121 | 0.128 | 0.135 | 0.142 | 0.149 | 0.156 |       |       |       |       |       |       |       |       |
| 16                                        | 0.155 | 0.164 | 0.173 | 0.182 | 0.191 | 0.200 | 0.209 | 0.218 |       |       |       |       |       |       |
| 18                                        | 0.193 | 0.204 | 0.215 | 0.226 | 0.237 | 0.248 | 0.259 | 0.270 | 0.281 |       |       |       |       |       |
| 20                                        | 0.234 | 0.248 | 0.261 | 0.275 | 0.288 | 0.301 | 0.315 | 0.328 | 0.342 | 0.355 |       |       |       |       |
| 22                                        | 0.279 | 0.295 | 0.311 | 0.327 | 0.343 | 0.359 | 0.375 | 0.391 | 0.407 | 0.423 | 0.439 |       |       |       |
| 24                                        | 0.328 | 0.347 | 0.365 | 0.384 | 0.403 | 0.422 | 0.441 | 0.460 | 0.478 | 0.497 | 0.516 | 0.535 |       |       |
| 26                                        | 0.380 | 0.402 | 0.424 | 0.445 | 0.467 | 0.489 | 0.511 | 0.533 | 0.554 | 0.576 | 0.598 | 0.620 | 0.641 |       |
| 28                                        | 0.435 | 0.461 | 0.486 | 0.511 | 0.536 | 0.561 | 0.586 | 0.611 | 0.636 | 0.661 | 0.685 | 0.710 | 0.735 | 0.760 |
| 30                                        | 0.495 | 0.523 | 0.552 | 0.580 | 0.608 | 0.637 | 0.665 | 0.694 | 0.722 | 0.750 | 0.779 | 0.807 | 0.835 | 0.863 |
| 32                                        | 0.557 | 0.589 | 0.621 | 0.653 | 0.685 | 0.717 | 0.749 | 0.781 | 0.813 | 0.845 | 0.877 | 0.909 | 0.941 | 0.972 |
| 34                                        | 0.623 | 0.659 | 0.695 | 0.731 | 0.766 | 0.802 | 0.838 | 0.874 | 0.909 | 0.945 | 0.981 | 1.016 | 1.052 | 1.087 |
| 36                                        | 0.692 | 0.732 | 0.772 | 0.812 | 0.852 | 0.891 | 0.931 | 0.971 | 1.010 | 1.050 | 1.090 | 1.129 | 1.169 | 1.208 |
| 38                                        | 0.765 | 0.809 | 0.853 | 0.897 | 0.941 | 0.985 | 1.029 | 1.073 | 1.116 | 1.160 | 1.204 | 1.248 | 1.291 | 1.335 |
| 40                                        | 0.841 | 0.889 | 0.938 | 0.986 | 1.034 | 1.083 | 1.131 | 1.179 | 1.227 | 1.275 | 1.323 | 1.372 | 1.420 | 1.468 |
| 42                                        | 0.920 | 0.973 | 1.026 | 1.079 | 1.132 | 1.185 | 1.237 | 1.290 | 1.343 | 1.396 | 1.448 | 1.501 | 1.553 | 1.606 |
| 44                                        | 1.002 | 1.060 | 1.118 | 1.176 | 1.233 | 1.291 | 1.349 | 1.406 | 1.463 | 1.521 | 1.578 | 1.635 | 1.692 | 1.750 |
| 46                                        | 1.088 | 1.151 | 1.213 | 1.276 | 1.339 | 1.401 | 1.463 | 1.526 | 1.588 | 1.650 | 1.713 | 1.775 | 1.837 | 1.899 |
| 48                                        | 1.177 | 1.245 | 1.312 | 1.380 | 1.448 | 1.515 | 1.583 | 1.650 | 1.718 | 1.785 | 1.853 | 1.920 | 1.987 | 2.054 |
| 50                                        | 1.269 | 1.342 | 1.415 | 1.488 | 1.561 | 1.634 | 1.707 | 1.780 | 1.852 | 1.925 | 1.997 | 2.070 | 2.143 | 2.215 |

## 五十四、西藏地区云杉二元立木材积表

$$V = 0.000061839 D^{1.65580} H^{1.20840}$$

表53

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      | 0.000 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.008 | 0.009 | 0.010 | 0.011 | 0.012 | 0.014 | 0.015 |
| 6                                      | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 | 0.013 | 0.015 | 0.017 | 0.019 | 0.022 | 0.024 | 0.027 | 0.029 |
| 8                                      | 0.004 | 0.007 | 0.010 | 0.014 | 0.017 | 0.020 | 0.024 | 0.028 | 0.031 | 0.035 | 0.039 | 0.043 | 0.047 |
| 10                                     | 0.006 | 0.011 | 0.015 | 0.020 | 0.024 | 0.029 | 0.035 | 0.040 | 0.045 | 0.051 | 0.056 | 0.062 | 0.068 |
| 12                                     |       | 0.014 | 0.020 | 0.026 | 0.033 | 0.040 | 0.047 | 0.054 | 0.061 | 0.069 | 0.076 | 0.084 | 0.092 |
| 14                                     |       | 0.018 | 0.026 | 0.034 | 0.043 | 0.051 | 0.060 | 0.070 | 0.079 | 0.089 | 0.098 | 0.108 | 0.119 |
| 16                                     |       |       | 0.033 | 0.043 | 0.053 | 0.064 | 0.075 | 0.087 | 0.099 | 0.111 | 0.123 | 0.135 | 0.148 |
| 18                                     |       |       | 0.040 | 0.052 | 0.065 | 0.078 | 0.091 | 0.105 | 0.120 | 0.134 | 0.149 | 0.164 | 0.180 |
| 20                                     |       |       |       | 0.062 | 0.077 | 0.093 | 0.109 | 0.126 | 0.143 | 0.160 | 0.178 | 0.196 | 0.214 |
| 22                                     |       |       |       | 0.072 | 0.090 | 0.108 | 0.127 | 0.147 | 0.167 | 0.187 | 0.208 | 0.229 | 0.251 |
| 24                                     |       |       |       | 0.083 | 0.104 | 0.125 | 0.147 | 0.170 | 0.193 | 0.216 | 0.240 | 0.265 | 0.290 |
| 26                                     |       |       |       |       | 0.119 | 0.143 | 0.168 | 0.194 | 0.220 | 0.247 | 0.274 | 0.302 | 0.331 |
| 28                                     |       |       |       |       | 0.134 | 0.162 | 0.190 | 0.219 | 0.249 | 0.279 | 0.310 | 0.342 | 0.374 |
| 30                                     |       |       |       |       | 0.150 | 0.181 | 0.213 | 0.246 | 0.279 | 0.313 | 0.348 | 0.383 | 0.419 |
| 32                                     |       |       |       |       |       | 0.202 | 0.237 | 0.273 | 0.310 | 0.348 | 0.387 | 0.426 | 0.466 |
| 34                                     |       |       |       |       |       | 0.223 | 0.262 | 0.302 | 0.343 | 0.385 | 0.428 | 0.471 | 0.515 |
| 36                                     |       |       |       |       |       | 0.245 | 0.288 | 0.332 | 0.377 | 0.423 | 0.470 | 0.518 | 0.567 |
| 38                                     |       |       |       |       |       |       | 0.315 | 0.363 | 0.413 | 0.463 | 0.514 | 0.567 | 0.620 |
| 40                                     |       |       |       |       |       |       | 0.343 | 0.395 | 0.449 | 0.504 | 0.560 | 0.617 | 0.675 |

续表 53

| $V \backslash H$<br>$D$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                       | 0.016 | 0.018 |       |       |       |       |       |       |       |       |       |       |       |
| 6                       | 0.032 | 0.034 | 0.037 | 0.040 | 0.042 | 0.045 |       |       |       |       |       |       |       |
| 8                       | 0.051 | 0.055 | 0.059 | 0.064 | 0.068 | 0.072 | 0.077 | 0.081 | 0.086 |       |       |       |       |
| 10                      | 0.074 | 0.080 | 0.086 | 0.092 | 0.098 | 0.105 | 0.111 | 0.117 | 0.124 | 0.130 | 0.137 |       |       |
| 12                      | 0.100 | 0.108 | 0.116 | 0.124 | 0.133 | 0.141 | 0.150 | 0.159 | 0.167 | 0.176 | 0.185 | 0.194 | 0.203 |
| 14                      | 0.129 | 0.139 | 0.150 | 0.161 | 0.172 | 0.183 | 0.194 | 0.205 | 0.216 | 0.228 | 0.239 | 0.251 | 0.262 |
| 16                      | 0.161 | 0.174 | 0.187 | 0.200 | 0.214 | 0.228 | 0.242 | 0.255 | 0.270 | 0.284 | 0.298 | 0.313 | 0.327 |
| 18                      | 0.195 | 0.211 | 0.227 | 0.244 | 0.260 | 0.277 | 0.294 | 0.310 | 0.328 | 0.345 | 0.362 | 0.380 | 0.398 |
| 20                      | 0.233 | 0.252 | 0.271 | 0.290 | 0.310 | 0.329 | 0.349 | 0.370 | 0.390 | 0.411 | 0.431 | 0.452 | 0.473 |
| 22                      | 0.272 | 0.295 | 0.317 | 0.340 | 0.363 | 0.386 | 0.409 | 0.433 | 0.457 | 0.481 | 0.505 | 0.530 | 0.554 |
| 24                      | 0.315 | 0.340 | 0.366 | 0.392 | 0.419 | 0.446 | 0.473 | 0.500 | 0.528 | 0.555 | 0.583 | 0.612 | 0.640 |
| 26                      | 0.359 | 0.388 | 0.418 | 0.448 | 0.478 | 0.509 | 0.540 | 0.571 | 0.602 | 0.634 | 0.666 | 0.698 | 0.731 |
| 28                      | 0.406 | 0.439 | 0.473 | 0.506 | 0.541 | 0.575 | 0.610 | 0.645 | 0.681 | 0.717 | 0.753 | 0.790 | 0.827 |
| 30                      | 0.455 | 0.492 | 0.530 | 0.568 | 0.606 | 0.645 | 0.684 | 0.723 | 0.763 | 0.804 | 0.844 | 0.885 | 0.927 |
| 32                      | 0.507 | 0.548 | 0.589 | 0.632 | 0.674 | 0.717 | 0.761 | 0.805 | 0.849 | 0.894 | 0.939 | 0.985 | 1.031 |
| 34                      | 0.560 | 0.606 | 0.652 | 0.698 | 0.745 | 0.793 | 0.841 | 0.890 | 0.939 | 0.989 | 1.039 | 1.089 | 1.140 |
| 36                      | 0.616 | 0.666 | 0.716 | 0.768 | 0.820 | 0.872 | 0.925 | 0.978 | 1.032 | 1.087 | 1.142 | 1.197 | 1.253 |
| 38                      | 0.674 | 0.728 | 0.784 | 0.840 | 0.896 | 0.954 | 1.011 | 1.070 | 1.129 | 1.189 | 1.249 | 1.309 | 1.370 |
| 40                      | 0.733 | 0.793 | 0.853 | 0.914 | 0.976 | 1.038 | 1.101 | 1.165 | 1.229 | 1.294 | 1.359 | 1.425 | 1.492 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.274 | 0.286 | 0.298 |       |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.342 | 0.357 | 0.372 | 0.387 | 0.402 | 0.417 |       |       |       |       |       |       |       |
| 18                                        | 0.416 | 0.434 | 0.452 | 0.470 | 0.488 | 0.507 | 0.525 | 0.544 | 0.563 | 0.582 |       |       |       |
| 20                                        | 0.495 | 0.516 | 0.538 | 0.560 | 0.581 | 0.603 | 0.626 | 0.648 | 0.670 | 0.693 |       |       |       |
| 22                                        | 0.579 | 0.604 | 0.630 | 0.655 | 0.681 | 0.707 | 0.733 | 0.759 | 0.785 | 0.811 | 0.838 | 0.865 | 0.891 |
| 24                                        | 0.669 | 0.698 | 0.727 | 0.757 | 0.786 | 0.816 | 0.846 | 0.876 | 0.907 | 0.937 | 0.968 | 0.999 | 1.030 |
| 26                                        | 0.764 | 0.797 | 0.830 | 0.864 | 0.898 | 0.932 | 0.966 | 1.000 | 1.035 | 1.070 | 1.105 | 1.140 | 1.176 |
| 28                                        | 0.864 | 0.901 | 0.939 | 0.977 | 1.015 | 1.053 | 1.092 | 1.131 | 1.170 | 1.210 | 1.249 | 1.289 | 1.329 |
| 30                                        | 0.968 | 1.010 | 1.052 | 1.095 | 1.138 | 1.181 | 1.224 | 1.268 | 1.312 | 1.356 | 1.400 | 1.445 | 1.490 |
| 32                                        | 1.077 | 1.124 | 1.171 | 1.218 | 1.266 | 1.314 | 1.362 | 1.411 | 1.460 | 1.509 | 1.558 | 1.608 | 1.658 |
| 34                                        | 1.191 | 1.243 | 1.295 | 1.347 | 1.400 | 1.453 | 1.506 | 1.560 | 1.614 | 1.668 | 1.723 | 1.778 | 1.833 |
| 36                                        | 1.309 | 1.366 | 1.423 | 1.481 | 1.539 | 1.597 | 1.656 | 1.715 | 1.774 | 1.834 | 1.894 | 1.954 | 2.015 |
| 38                                        | 1.432 | 1.494 | 1.557 | 1.619 | 1.683 | 1.747 | 1.811 | 1.875 | 1.940 | 2.006 | 2.071 | 2.137 | 2.204 |
| 40                                        | 1.559 | 1.626 | 1.694 | 1.763 | 1.832 | 1.901 | 1.971 | 2.041 | 2.112 | 2.183 | 2.255 | 2.327 | 2.399 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    | 51    | 52    | 53    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 22                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 24                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 26                                        | 1.211 | 1.247 | 1.283 | 1.319 | 1.355 |       |       |       |       |       |       |       |       |
| 28                                        | 1.369 | 1.410 | 1.450 | 1.491 | 1.532 |       |       |       |       |       |       |       |       |
| 30                                        | 1.535 | 1.580 | 1.626 | 1.672 | 1.718 | 1.764 | 1.810 | 1.857 | 1.904 |       |       |       |       |
| 32                                        | 1.708 | 1.759 | 1.809 | 1.860 | 1.912 | 1.963 | 2.015 | 2.067 | 2.119 | 2.171 | 2.224 | 2.276 | 2.329 |
| 34                                        | 1.889 | 1.944 | 2.000 | 2.057 | 2.113 | 2.170 | 2.227 | 2.285 | 2.342 | 2.400 | 2.458 | 2.517 | 2.575 |
| 36                                        | 2.076 | 2.137 | 2.199 | 2.261 | 2.323 | 2.386 | 2.449 | 2.512 | 2.575 | 2.639 | 2.703 | 2.767 | 2.831 |
| 38                                        | 2.270 | 2.337 | 2.405 | 2.473 | 2.541 | 2.609 | 2.678 | 2.747 | 2.816 | 2.886 | 2.956 | 3.026 | 3.096 |
| 40                                        | 2.472 | 2.545 | 2.618 | 2.692 | 2.766 | 2.840 | 2.915 | 2.990 | 3.066 | 3.142 | 3.218 | 3.294 | 3.371 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 54    | 55    | 56    | 57    | 58    | 59    | 60    | 61    | 62    | 63    | 64    | 65    | 66    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 22                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 24                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 26                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 28                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 30                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 32                                        | 2.383 | 2.436 | 2.490 | 2.544 | 2.598 |       |       |       |       |       |       |       |       |
| 34                                        | 2.634 | 2.693 | 2.753 | 2.812 | 2.872 | 2.932 | 2.992 |       |       |       |       |       |       |
| 36                                        | 2.896 | 2.961 | 3.026 | 3.091 | 3.157 | 3.223 | 3.289 | 3.355 | 3.422 |       |       |       |       |
| 38                                        | 3.167 | 3.238 | 3.309 | 3.381 | 3.453 | 3.525 | 3.597 | 3.670 | 3.742 | 3.816 | 3.889 |       |       |
| 40                                        | 3.448 | 3.525 | 3.603 | 3.681 | 3.759 | 3.837 | 3.916 | 3.995 | 4.074 | 4.154 | 4.234 | 4.314 | 4.394 |

续表 53

| $\begin{matrix} V & H \\ D \end{matrix}$ | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                       | 0.372 | 0.429 | 0.487 | 0.546 | 0.607 | 0.669 | 0.731 | 0.795 | 0.859 | 0.925 | 0.991 | 1.058 | 1.125 |
| 44                                       |       | 0.463 | 0.526 | 0.590 | 0.656 | 0.722 | 0.790 | 0.859 | 0.928 | 0.999 | 1.070 | 1.142 | 1.216 |
| 46                                       |       | 0.498 | 0.566 | 0.635 | 0.706 | 0.777 | 0.850 | 0.924 | 0.999 | 1.075 | 1.152 | 1.230 | 1.308 |
| 48                                       |       | 0.535 | 0.608 | 0.682 | 0.757 | 0.834 | 0.912 | 0.992 | 1.072 | 1.154 | 1.236 | 1.320 | 1.404 |
| 50                                       |       |       | 0.650 | 0.729 | 0.810 | 0.892 | 0.976 | 1.061 | 1.147 | 1.234 | 1.323 | 1.412 | 1.502 |
| 52                                       |       |       | 0.694 | 0.778 | 0.865 | 0.952 | 1.042 | 1.132 | 1.224 | 1.317 | 1.411 | 1.507 | 1.603 |
| 54                                       |       |       | 0.738 | 0.828 | 0.920 | 1.014 | 1.109 | 1.205 | 1.303 | 1.402 | 1.502 | 1.604 | 1.706 |
| 56                                       |       |       | 0.784 | 0.880 | 0.977 | 1.077 | 1.178 | 1.280 | 1.384 | 1.489 | 1.595 | 1.703 | 1.812 |
| 58                                       |       |       |       | 0.933 | 1.036 | 1.141 | 1.248 | 1.357 | 1.467 | 1.578 | 1.691 | 1.805 | 1.921 |
| 60                                       |       |       |       | 0.986 | 1.096 | 1.207 | 1.320 | 1.435 | 1.551 | 1.669 | 1.789 | 1.909 | 2.031 |
| 62                                       |       |       |       | 1.041 | 1.157 | 1.274 | 1.394 | 1.515 | 1.638 | 1.762 | 1.888 | 2.016 | 2.145 |
| 64                                       |       |       |       | 1.098 | 1.219 | 1.343 | 1.469 | 1.597 | 1.726 | 1.857 | 1.990 | 2.125 | 2.261 |
| 66                                       |       |       |       |       | 1.283 | 1.413 | 1.546 | 1.680 | 1.816 | 1.955 | 2.094 | 2.236 | 2.379 |
| 68                                       |       |       |       |       | 1.348 | 1.485 | 1.624 | 1.765 | 1.909 | 2.054 | 2.200 | 2.349 | 2.499 |
| 70                                       |       |       |       |       | 1.414 | 1.558 | 1.704 | 1.852 | 2.002 | 2.155 | 2.309 | 2.465 | 2.622 |
| 72                                       |       |       |       |       | 1.482 | 1.632 | 1.785 | 1.941 | 2.098 | 2.257 | 2.419 | 2.582 | 2.747 |
| 74                                       |       |       |       |       |       | 1.708 | 1.868 | 2.031 | 2.195 | 2.362 | 2.531 | 2.702 | 2.875 |
| 76                                       |       |       |       |       |       | 1.785 | 1.953 | 2.122 | 2.294 | 2.469 | 2.645 | 2.824 | 3.005 |
| 78                                       |       |       |       |       |       | 1.864 | 2.038 | 2.216 | 2.395 | 2.577 | 2.762 | 2.948 | 3.137 |
| 80                                       |       |       |       |       |       | 1.944 | 2.126 | 2.310 | 2.498 | 2.688 | 2.880 | 3.074 | 3.271 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.194 | 1.263 | 1.333 | 1.403 | 1.474 | 1.545 | 1.617 | 1.690 | 1.763 | 1.837 | 1.911 | 1.986 | 2.061 |
| 44                                        | 1.289 | 1.364 | 1.439 | 1.515 | 1.592 | 1.669 | 1.747 | 1.825 | 1.905 | 1.984 | 2.064 | 2.145 | 2.226 |
| 46                                        | 1.388 | 1.468 | 1.549 | 1.631 | 1.713 | 1.797 | 1.880 | 1.965 | 2.050 | 2.136 | 2.222 | 2.309 | 2.396 |
| 48                                        | 1.489 | 1.575 | 1.662 | 1.750 | 1.838 | 1.928 | 2.018 | 2.108 | 2.200 | 2.292 | 2.384 | 2.478 | 2.571 |
| 50                                        | 1.593 | 1.685 | 1.778 | 1.872 | 1.967 | 2.063 | 2.159 | 2.256 | 2.353 | 2.452 | 2.551 | 2.651 | 2.751 |
| 52                                        | 1.700 | 1.799 | 1.898 | 1.998 | 2.099 | 2.201 | 2.304 | 2.407 | 2.511 | 2.616 | 2.722 | 2.829 | 2.936 |
| 54                                        | 1.810 | 1.915 | 2.020 | 2.127 | 2.234 | 2.343 | 2.452 | 2.562 | 2.673 | 2.785 | 2.898 | 3.011 | 3.125 |
| 56                                        | 1.922 | 2.033 | 2.146 | 2.259 | 2.373 | 2.488 | 2.604 | 2.721 | 2.839 | 2.958 | 3.078 | 3.198 | 3.319 |
| 58                                        | 2.037 | 2.155 | 2.274 | 2.394 | 2.515 | 2.637 | 2.760 | 2.884 | 3.009 | 3.135 | 3.262 | 3.389 | 3.518 |
| 60                                        | 2.155 | 2.279 | 2.405 | 2.532 | 2.660 | 2.789 | 2.920 | 3.051 | 3.183 | 3.316 | 3.450 | 3.585 | 3.721 |
| 62                                        | 2.275 | 2.407 | 2.539 | 2.673 | 2.809 | 2.945 | 3.082 | 3.221 | 3.360 | 3.501 | 3.643 | 3.785 | 3.928 |
| 64                                        | 2.398 | 2.537 | 2.677 | 2.818 | 2.960 | 3.104 | 3.249 | 3.395 | 3.542 | 3.690 | 3.839 | 3.989 | 4.140 |
| 66                                        | 2.523 | 2.669 | 2.816 | 2.965 | 3.115 | 3.266 | 3.419 | 3.572 | 3.727 | 3.883 | 4.040 | 4.198 | 4.357 |
| 68                                        | 2.651 | 2.804 | 2.959 | 3.115 | 3.273 | 3.432 | 3.592 | 3.753 | 3.916 | 4.080 | 4.244 | 4.411 | 4.578 |
| 70                                        | 2.781 | 2.942 | 3.105 | 3.268 | 3.434 | 3.600 | 3.768 | 3.938 | 4.108 | 4.280 | 4.453 | 4.627 | 4.803 |
| 72                                        | 2.914 | 3.083 | 3.253 | 3.425 | 3.598 | 3.772 | 3.948 | 4.126 | 4.305 | 4.485 | 4.666 | 4.848 | 5.032 |
| 74                                        | 3.049 | 3.226 | 3.404 | 3.584 | 3.765 | 3.947 | 4.132 | 4.317 | 4.504 | 4.693 | 4.882 | 5.073 | 5.266 |
| 76                                        | 3.187 | 3.371 | 3.558 | 3.745 | 3.935 | 4.126 | 4.318 | 4.512 | 4.708 | 4.905 | 5.103 | 5.302 | 5.503 |
| 78                                        | 3.327 | 3.520 | 3.714 | 3.910 | 4.108 | 4.307 | 4.508 | 4.711 | 4.915 | 5.120 | 5.327 | 5.535 | 5.745 |
| 80                                        | 3.470 | 3.670 | 3.873 | 4.077 | 4.283 | 4.491 | 4.701 | 4.912 | 5.125 | 5.339 | 5.555 | 5.772 | 5.991 |



续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 2.137 | 2.213 | 2.290 | 2.367 | 2.445 | 2.522 | 2.601 | 2.680 | 2.759 | 2.838 | 2.918 | 2.999 | 3.079 |
| 44                                        | 2.308 | 2.390 | 2.473 | 2.557 | 2.640 | 2.724 | 2.809 | 2.894 | 2.980 | 3.066 | 3.152 | 3.239 | 3.326 |
| 46                                        | 2.484 | 2.573 | 2.662 | 2.752 | 2.842 | 2.933 | 3.024 | 3.115 | 3.207 | 3.300 | 3.393 | 3.486 | 3.580 |
| 48                                        | 2.666 | 2.761 | 2.857 | 2.953 | 3.049 | 3.147 | 3.244 | 3.343 | 3.441 | 3.541 | 3.640 | 3.741 | 3.841 |
| 50                                        | 2.852 | 2.954 | 3.056 | 3.159 | 3.263 | 3.367 | 3.471 | 3.576 | 3.682 | 3.788 | 3.895 | 4.002 | 4.110 |
| 52                                        | 3.044 | 3.152 | 3.261 | 3.371 | 3.482 | 3.593 | 3.704 | 3.816 | 3.929 | 4.043 | 4.156 | 4.271 | 4.386 |
| 54                                        | 3.240 | 3.355 | 3.472 | 3.589 | 3.706 | 3.824 | 3.943 | 4.062 | 4.183 | 4.303 | 4.424 | 4.546 | 4.669 |
| 56                                        | 3.441 | 3.564 | 3.687 | 3.811 | 3.936 | 4.062 | 4.188 | 4.315 | 4.442 | 4.570 | 4.699 | 4.823 | 4.958 |
| 58                                        | 3.647 | 3.777 | 3.908 | 4.039 | 4.172 | 4.305 | 4.438 | 4.573 | 4.708 | 4.844 | 4.980 | 5.117 | 5.255 |
| 60                                        | 3.857 | 3.995 | 4.133 | 4.272 | 4.412 | 4.553 | 4.695 | 4.837 | 4.980 | 5.123 | 5.268 | 5.413 | 5.558 |
| 62                                        | 4.073 | 4.218 | 4.364 | 4.511 | 4.659 | 4.807 | 4.957 | 5.107 | 5.258 | 5.409 | 5.562 | 5.715 | 5.869 |
| 64                                        | 4.293 | 4.446 | 4.600 | 4.754 | 4.910 | 5.067 | 5.224 | 5.382 | 5.541 | 5.701 | 5.862 | 6.023 | 6.185 |
| 66                                        | 4.517 | 4.678 | 4.840 | 5.003 | 5.167 | 5.331 | 5.497 | 5.664 | 5.831 | 5.999 | 6.168 | 6.338 | 6.509 |
| 68                                        | 4.746 | 4.915 | 5.085 | 5.256 | 5.429 | 5.602 | 5.776 | 5.951 | 6.126 | 6.303 | 6.481 | 6.659 | 6.838 |
| 70                                        | 4.979 | 5.157 | 5.335 | 5.515 | 5.695 | 5.877 | 6.060 | 6.243 | 6.428 | 6.613 | 6.799 | 6.987 | 7.175 |
| 72                                        | 5.217 | 5.403 | 5.590 | 5.778 | 5.967 | 6.158 | 6.349 | 6.541 | 6.735 | 6.929 | 7.124 | 7.320 | 7.517 |
| 74                                        | 5.459 | 5.654 | 5.849 | 6.046 | 6.244 | 6.444 | 6.644 | 6.845 | 7.047 | 7.250 | 7.455 | 7.660 | 7.866 |
| 76                                        | 5.705 | 5.909 | 6.113 | 6.319 | 6.526 | 6.734 | 6.944 | 7.154 | 7.365 | 7.578 | 7.791 | 8.006 | 8.221 |
| 78                                        | 5.956 | 6.169 | 6.382 | 6.597 | 6.813 | 7.030 | 7.249 | 7.468 | 7.689 | 7.911 | 8.134 | 8.358 | 8.583 |
| 80                                        | 6.211 | 6.433 | 6.655 | 6.879 | 7.105 | 7.331 | 7.559 | 7.788 | 8.018 | 8.250 | 8.482 | 8.715 | 8.950 |

续表 53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 47    | 48    | 49    | 50    | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     |
|-------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        | 3.160 | 3.242 | 3.324 | 3.406 | 3.488  | 3.571  | 3.654  | 3.738  | 3.822  | 3.906  | 3.990  | 4.075  | 4.160  |
| 44                                        | 3.414 | 3.502 | 3.590 | 3.679 | 3.768  | 3.857  | 3.947  | 4.037  | 4.128  | 4.219  | 4.310  | 4.401  | 4.493  |
| 46                                        | 3.674 | 3.769 | 3.864 | 3.960 | 4.055  | 4.152  | 4.248  | 4.345  | 4.443  | 4.541  | 4.639  | 4.737  | 4.836  |
| 48                                        | 3.943 | 4.044 | 4.146 | 4.249 | 4.352  | 4.455  | 4.559  | 4.663  | 4.767  | 4.872  | 4.978  | 5.083  | 5.189  |
| 50                                        | 4.218 | 4.327 | 4.436 | 4.546 | 4.656  | 4.766  | 4.877  | 4.989  | 5.101  | 5.213  | 5.326  | 5.439  | 5.552  |
| 52                                        | 4.501 | 4.617 | 4.734 | 4.851 | 4.968  | 5.086  | 5.205  | 5.324  | 5.443  | 5.563  | 5.683  | 5.804  | 5.925  |
| 54                                        | 4.792 | 4.915 | 5.039 | 5.164 | 5.289  | 5.414  | 5.540  | 5.667  | 5.794  | 5.921  | 6.049  | 6.178  | 6.307  |
| 56                                        | 5.089 | 5.220 | 5.352 | 5.484 | 5.617  | 5.750  | 5.884  | 6.019  | 6.154  | 6.289  | 6.425  | 6.561  | 6.698  |
| 58                                        | 5.393 | 5.532 | 5.672 | 5.812 | 5.953  | 6.094  | 6.236  | 6.379  | 6.522  | 6.665  | 6.809  | 6.954  | 7.099  |
| 60                                        | 5.705 | 5.852 | 5.999 | 6.148 | 6.297  | 6.446  | 6.596  | 6.747  | 6.898  | 7.050  | 7.202  | 7.355  | 7.509  |
| 62                                        | 6.023 | 6.178 | 6.334 | 6.491 | 6.648  | 6.806  | 6.964  | 7.123  | 7.283  | 7.443  | 7.604  | 7.766  | 7.928  |
| 64                                        | 6.348 | 6.512 | 6.676 | 6.841 | 7.007  | 7.173  | 7.340  | 7.508  | 7.676  | 7.845  | 8.015  | 8.185  | 8.356  |
| 66                                        | 6.680 | 6.852 | 7.025 | 7.199 | 7.373  | 7.548  | 7.724  | 7.900  | 8.077  | 8.255  | 8.434  | 8.613  | 8.793  |
| 68                                        | 7.018 | 7.199 | 7.381 | 7.563 | 7.747  | 7.931  | 8.115  | 8.301  | 8.487  | 8.674  | 8.861  | 9.049  | 9.238  |
| 70                                        | 7.364 | 7.553 | 7.744 | 7.935 | 8.128  | 8.320  | 8.514  | 8.709  | 8.904  | 9.100  | 9.297  | 9.494  | 9.692  |
| 72                                        | 7.715 | 7.914 | 8.114 | 8.314 | 8.516  | 8.718  | 8.921  | 9.125  | 9.329  | 9.535  | 9.741  | 9.948  | 10.155 |
| 74                                        | 8.073 | 8.281 | 8.490 | 8.700 | 8.911  | 9.122  | 9.335  | 9.548  | 9.762  | 9.977  | 10.193 | 10.409 | 10.627 |
| 76                                        | 8.438 | 8.655 | 8.874 | 9.093 | 9.313  | 9.534  | 9.756  | 9.979  | 10.203 | 10.428 | 10.653 | 10.879 | 11.106 |
| 78                                        | 8.809 | 9.036 | 9.264 | 9.493 | 9.722  | 9.953  | 10.185 | 10.418 | 10.651 | 10.886 | 11.121 | 11.357 | 11.594 |
| 80                                        | 9.186 | 9.422 | 9.660 | 9.899 | 10.139 | 10.379 | 10.621 | 10.864 | 11.107 | 11.352 | 11.597 | 11.844 | 12.091 |

续表53

| $V \backslash H$<br>$D$ | 60     | 61     | 62     | 63     | 64     | 65     | 66     | 67     | 68     | 69     | 70     | 71     | 72     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                      | 4.245  | 4.331  | 4.417  | 4.503  | 4.590  | 4.677  | 4.764  | 4.851  | 4.939  | 5.027  | 5.115  | 5.203  | 5.292  |
| 44                      | 4.585  | 4.678  | 4.771  | 4.864  | 4.957  | 5.051  | 5.145  | 5.239  | 5.334  | 5.429  | 5.524  | 5.620  | 5.716  |
| 46                      | 4.936  | 5.035  | 5.135  | 5.235  | 5.336  | 5.437  | 5.538  | 5.640  | 5.742  | 5.844  | 5.946  | 6.049  | 6.152  |
| 48                      | 5.296  | 5.403  | 5.510  | 5.618  | 5.725  | 5.834  | 5.942  | 6.051  | 6.161  | 6.270  | 6.380  | 6.491  | 6.601  |
| 50                      | 5.666  | 5.781  | 5.895  | 6.010  | 6.126  | 6.242  | 6.358  | 6.475  | 6.592  | 6.709  | 6.827  | 6.945  | 7.063  |
| 52                      | 6.046  | 6.168  | 6.291  | 6.414  | 6.537  | 6.661  | 6.785  | 6.909  | 7.034  | 7.159  | 7.285  | 7.411  | 7.537  |
| 54                      | 6.436  | 6.566  | 6.696  | 6.827  | 6.958  | 7.090  | 7.222  | 7.355  | 7.487  | 7.621  | 7.754  | 7.888  | 8.023  |
| 56                      | 6.836  | 6.974  | 7.112  | 7.251  | 7.390  | 7.530  | 7.670  | 7.811  | 7.952  | 8.094  | 8.236  | 8.378  | 8.521  |
| 58                      | 7.245  | 7.391  | 7.538  | 7.685  | 7.832  | 7.981  | 8.129  | 8.278  | 8.428  | 8.578  | 8.728  | 8.879  | 9.031  |
| 60                      | 7.663  | 7.818  | 7.973  | 8.128  | 8.285  | 8.441  | 8.599  | 8.756  | 8.914  | 9.073  | 9.232  | 9.392  | 9.552  |
| 62                      | 8.091  | 8.254  | 8.418  | 8.582  | 8.747  | 8.912  | 9.078  | 9.245  | 9.412  | 9.579  | 9.747  | 9.916  | 10.085 |
| 64                      | 8.527  | 8.699  | 8.872  | 9.045  | 9.219  | 9.393  | 9.568  | 9.744  | 9.920  | 10.096 | 10.273 | 10.451 | 10.629 |
| 66                      | 8.973  | 9.154  | 9.336  | 9.518  | 9.701  | 9.884  | 10.068 | 10.253 | 10.438 | 10.624 | 10.811 | 10.997 | 11.185 |
| 68                      | 9.428  | 9.618  | 9.809  | 10.000 | 10.193 | 10.385 | 10.579 | 10.773 | 10.967 | 11.162 | 11.358 | 11.555 | 11.752 |
| 70                      | 9.891  | 10.091 | 10.291 | 10.492 | 10.694 | 10.896 | 11.099 | 11.302 | 11.507 | 11.711 | 11.917 | 12.123 | 12.329 |
| 72                      | 10.364 | 10.573 | 10.783 | 10.993 | 11.204 | 11.416 | 11.629 | 11.842 | 12.056 | 12.271 | 12.486 | 12.702 | 12.918 |
| 74                      | 10.845 | 11.063 | 11.283 | 11.503 | 11.724 | 11.946 | 12.168 | 12.392 | 12.616 | 12.840 | 13.065 | 13.291 | 13.518 |
| 76                      | 11.334 | 11.563 | 11.792 | 12.023 | 12.254 | 12.485 | 12.718 | 12.951 | 13.185 | 13.420 | 13.655 | 13.891 | 14.128 |
| 78                      | 11.832 | 12.071 | 12.311 | 12.551 | 12.792 | 13.034 | 13.277 | 13.520 | 13.765 | 14.010 | 14.255 | 14.502 | 14.749 |
| 80                      | 12.339 | 12.588 | 12.838 | 13.088 | 13.340 | 13.592 | 13.845 | 14.099 | 14.354 | 14.609 | 14.866 | 15.123 | 15.380 |

续表53

| D \ V \ H |        |        |        |        |        |        |        |        |  |  |  |  |  |  |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
|           | 73     | 74     | 75     | 76     | 77     | 78     | 79     | 80     |  |  |  |  |  |  |
| 42        | 5.381  | 5.470  | 5.559  | 5.649  | 5.739  | 5.829  | 5.920  | 6.010  |  |  |  |  |  |  |
| 44        | 5.812  | 5.908  | 6.005  | 6.101  | 6.199  | 6.296  | 6.394  | 6.492  |  |  |  |  |  |  |
| 46        | 6.256  | 6.359  | 6.463  | 6.568  | 6.672  | 6.777  | 6.882  | 6.988  |  |  |  |  |  |  |
| 48        | 6.712  | 6.824  | 6.935  | 7.047  | 7.159  | 7.272  | 7.385  | 7.498  |  |  |  |  |  |  |
| 50        | 7.182  | 7.301  | 7.420  | 7.540  | 7.660  | 7.780  | 7.901  | 8.022  |  |  |  |  |  |  |
| 52        | 7.664  | 7.791  | 7.918  | 8.046  | 8.174  | 8.302  | 8.431  | 8.560  |  |  |  |  |  |  |
| 54        | 8.158  | 8.293  | 8.429  | 8.565  | 8.701  | 8.838  | 8.975  | 9.112  |  |  |  |  |  |  |
| 56        | 8.664  | 8.808  | 8.952  | 9.096  | 9.241  | 9.386  | 9.532  | 9.678  |  |  |  |  |  |  |
| 58        | 9.182  | 9.335  | 9.487  | 9.640  | 9.794  | 9.948  | 10.102 | 10.257 |  |  |  |  |  |  |
| 60        | 9.713  | 9.874  | 10.035 | 10.197 | 10.359 | 10.522 | 10.685 | 10.849 |  |  |  |  |  |  |
| 62        | 10.254 | 10.424 | 10.595 | 10.766 | 10.937 | 11.109 | 11.282 | 11.454 |  |  |  |  |  |  |
| 64        | 10.808 | 10.987 | 11.167 | 11.347 | 11.528 | 11.709 | 11.890 | 12.073 |  |  |  |  |  |  |
| 66        | 11.373 | 11.561 | 11.750 | 11.940 | 12.130 | 12.321 | 12.512 | 12.704 |  |  |  |  |  |  |
| 68        | 11.949 | 12.147 | 12.346 | 12.545 | 12.745 | 12.945 | 13.146 | 13.347 |  |  |  |  |  |  |
| 70        | 12.537 | 12.745 | 12.953 | 13.162 | 13.372 | 13.582 | 13.792 | 14.004 |  |  |  |  |  |  |
| 72        | 13.135 | 13.353 | 13.571 | 13.790 | 14.010 | 14.230 | 14.451 | 14.672 |  |  |  |  |  |  |
| 74        | 13.745 | 13.973 | 14.201 | 14.430 | 14.660 | 14.891 | 15.122 | 15.353 |  |  |  |  |  |  |
| 76        | 14.365 | 14.604 | 14.842 | 15.082 | 15.322 | 15.563 | 15.804 | 16.046 |  |  |  |  |  |  |
| 78        | 14.997 | 15.245 | 15.495 | 15.745 | 15.996 | 16.247 | 16.499 | 16.752 |  |  |  |  |  |  |
| 80        | 15.639 | 15.898 | 16.158 | 16.419 | 16.680 | 16.942 | 17.205 | 17.469 |  |  |  |  |  |  |

续表53

| $\begin{matrix} V & H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 82                                       | 2.407 | 2.602 | 2.800 | 3.000 | 3.203 | 3.408 | 3.614 | 3.823 | 4.035 | 4.247 | 4.462 | 4.679 | 4.897 |
| 84                                       | 2.505 | 2.708 | 2.914 | 3.122 | 3.333 | 3.546 | 3.762 | 3.979 | 4.199 | 4.420 | 4.644 | 4.869 | 5.097 |
| 86                                       | 2.604 | 2.816 | 3.030 | 3.246 | 3.466 | 3.687 | 3.911 | 4.137 | 4.366 | 4.596 | 4.828 | 5.063 | 5.299 |
| 88                                       | 2.705 | 2.925 | 3.147 | 3.372 | 3.600 | 3.830 | 4.070 | 4.298 | 4.535 | 4.774 | 5.016 | 5.259 | 5.505 |
| 90                                       | 2.808 | 3.036 | 3.266 | 3.500 | 3.736 | 3.975 | 4.217 | 4.461 | 4.707 | 4.955 | 5.206 | 5.459 | 5.713 |
| 92                                       | 2.912 | 3.148 | 3.388 | 3.630 | 3.875 | 4.123 | 4.373 | 4.626 | 4.881 | 5.139 | 5.399 | 5.661 | 5.925 |
| 94                                       | 3.018 | 3.262 | 3.510 | 3.761 | 4.015 | 4.272 | 4.532 | 4.794 | 5.058 | 5.325 | 5.595 | 5.866 | 6.140 |
| 96                                       | 3.125 | 3.378 | 3.635 | 3.895 | 4.158 | 4.424 | 4.692 | 4.964 | 5.238 | 5.514 | 5.793 | 6.074 | 6.358 |
| 98                                       | 3.233 | 3.495 | 3.761 | 4.030 | 4.302 | 4.577 | 4.855 | 5.136 | 5.420 | 5.706 | 5.994 | 6.285 | 6.578 |
| 100                                      | 3.343 | 3.614 | 3.889 | 4.167 | 4.449 | 4.733 | 5.021 | 5.311 | 5.604 | 5.900 | 6.198 | 6.499 | 6.802 |
| 102                                      |       | 3.735 | 4.019 | 4.306 | 4.597 | 4.891 | 5.188 | 5.488 | 5.791 | 6.096 | 6.405 | 6.716 | 7.029 |
| 104                                      |       | 3.857 | 4.150 | 4.447 | 4.747 | 5.051 | 5.357 | 5.667 | 5.980 | 6.296 | 6.614 | 6.935 | 7.259 |
| 106                                      |       | 3.980 | 4.283 | 4.589 | 4.899 | 5.212 | 5.529 | 5.849 | 6.172 | 6.497 | 6.826 | 7.157 | 7.491 |
| 108                                      |       | 4.106 | 4.418 | 4.734 | 5.053 | 5.376 | 5.703 | 6.033 | 6.366 | 6.702 | 7.040 | 7.382 | 7.727 |
| 110                                      |       | 4.232 | 4.554 | 4.880 | 5.209 | 5.542 | 5.879 | 6.219 | 6.562 | 6.908 | 7.258 | 7.610 | 7.965 |
| 112                                      |       |       | 4.692 | 5.027 | 5.367 | 5.710 | 6.057 | 6.407 | 6.761 | 7.118 | 7.477 | 7.840 | 8.206 |
| 114                                      |       |       | 4.831 | 5.177 | 5.526 | 5.880 | 6.237 | 6.598 | 6.962 | 7.329 | 7.700 | 8.074 | 8.450 |
| 116                                      |       |       | 4.973 | 5.328 | 5.688 | 6.052 | 6.419 | 6.790 | 7.165 | 7.543 | 7.925 | 8.309 | 8.697 |
| 118                                      |       |       | 5.115 | 5.481 | 5.851 | 6.225 | 6.603 | 6.985 | 7.371 | 7.760 | 8.152 | 8.548 | 8.947 |
| 120                                      |       |       | 5.260 | 5.636 | 6.016 | 6.401 | 6.790 | 7.182 | 7.579 | 7.979 | 8.382 | 8.789 | 9.199 |

续表 53

| $V \begin{matrix} H \\ D \end{matrix}$ | 28    | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     |
|----------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                     | 5.117 | 5.339  | 5.562  | 5.787  | 6.013  | 6.241  | 6.470  | 6.701  | 6.933  | 7.167  | 7.401  | 7.637  | 7.875  |
| 84                                     | 5.325 | 5.556  | 5.789  | 6.023  | 6.258  | 6.495  | 6.734  | 6.974  | 7.215  | 7.458  | 7.703  | 7.948  | 8.195  |
| 86                                     | 5.537 | 5.777  | 6.019  | 6.262  | 6.507  | 6.753  | 7.001  | 7.251  | 7.502  | 7.755  | 8.009  | 8.264  | 8.521  |
| 88                                     | 5.752 | 6.001  | 6.252  | 6.505  | 6.759  | 7.015  | 7.273  | 7.532  | 7.793  | 8.056  | 8.319  | 8.585  | 8.851  |
| 90                                     | 5.970 | 6.229  | 6.489  | 6.751  | 7.015  | 7.281  | 7.549  | 7.818  | 8.089  | 8.361  | 8.635  | 8.910  | 9.187  |
| 92                                     | 6.191 | 6.459  | 6.730  | 7.002  | 7.275  | 7.551  | 7.829  | 8.108  | 8.388  | 8.671  | 8.955  | 9.240  | 9.527  |
| 94                                     | 6.416 | 6.694  | 6.974  | 7.255  | 7.539  | 7.825  | 8.112  | 8.402  | 8.692  | 8.985  | 9.279  | 9.575  | 9.873  |
| 96                                     | 6.643 | 6.931  | 7.221  | 7.513  | 7.807  | 8.102  | 8.400  | 8.700  | 9.001  | 9.304  | 9.609  | 9.915  | 10.223 |
| 98                                     | 6.874 | 7.172  | 7.472  | 7.774  | 8.078  | 8.384  | 8.692  | 9.002  | 9.313  | 9.627  | 9.942  | 10.259 | 10.578 |
| 100                                    | 7.108 | 7.416  | 7.726  | 8.038  | 8.353  | 8.669  | 8.988  | 9.308  | 9.630  | 9.954  | 10.281 | 10.608 | 10.938 |
| 102                                    | 7.345 | 7.663  | 7.983  | 8.306  | 8.631  | 8.958  | 9.287  | 9.618  | 9.951  | 10.286 | 10.623 | 10.962 | 11.303 |
| 104                                    | 7.585 | 7.913  | 8.244  | 8.578  | 8.913  | 9.251  | 9.591  | 9.932  | 10.276 | 10.622 | 10.970 | 11.320 | 11.672 |
| 106                                    | 7.828 | 8.167  | 8.508  | 8.852  | 9.199  | 9.547  | 9.898  | 10.251 | 10.606 | 10.963 | 11.322 | 11.683 | 12.046 |
| 108                                    | 8.074 | 8.424  | 8.776  | 9.131  | 9.488  | 9.847  | 10.209 | 10.573 | 10.939 | 11.307 | 11.678 | 12.050 | 12.425 |
| 110                                    | 8.323 | 8.683  | 9.047  | 9.412  | 9.780  | 10.151 | 10.524 | 10.899 | 11.277 | 11.656 | 12.038 | 12.422 | 12.808 |
| 112                                    | 8.575 | 8.946  | 9.321  | 9.697  | 10.077 | 10.458 | 10.843 | 11.229 | 11.618 | 12.009 | 12.403 | 12.798 | 13.196 |
| 114                                    | 8.830 | 9.213  | 9.598  | 9.986  | 10.376 | 10.769 | 11.165 | 11.563 | 11.964 | 12.366 | 12.771 | 13.179 | 13.588 |
| 116                                    | 9.088 | 9.482  | 9.878  | 10.278 | 10.679 | 11.084 | 11.491 | 11.901 | 12.313 | 12.728 | 13.145 | 13.564 | 13.985 |
| 118                                    | 9.349 | 9.754  | 10.162 | 10.573 | 10.986 | 11.402 | 11.821 | 12.243 | 12.667 | 13.093 | 13.522 | 13.953 | 14.387 |
| 120                                    | 9.613 | 10.029 | 10.449 | 10.871 | 11.296 | 11.724 | 12.155 | 12.588 | 13.024 | 13.463 | 13.903 | 14.347 | 14.793 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 8.113  | 8.353  | 8.594  | 8.836  | 9.079  | 9.324  | 9.569  | 9.816  | 10.063 | 10.312 | 10.562 | 10.813 | 11.064 |
| 84                                        | 8.443  | 8.693  | 8.944  | 9.196  | 9.449  | 9.703  | 9.959  | 10.215 | 10.473 | 10.732 | 10.992 | 11.253 | 11.515 |
| 86                                        | 8.779  | 9.038  | 9.299  | 9.561  | 9.824  | 10.089 | 10.354 | 10.621 | 10.889 | 11.158 | 11.428 | 11.700 | 11.972 |
| 88                                        | 9.119  | 9.389  | 9.660  | 9.932  | 10.205 | 10.480 | 10.756 | 11.033 | 11.312 | 11.591 | 11.872 | 12.154 | 12.437 |
| 90                                        | 9.465  | 9.745  | 10.026 | 10.308 | 10.592 | 10.877 | 11.164 | 11.451 | 11.740 | 12.031 | 12.322 | 12.615 | 12.908 |
| 92                                        | 9.816  | 10.106 | 10.398 | 10.691 | 10.985 | 11.281 | 11.578 | 11.876 | 12.176 | 12.476 | 12.779 | 13.082 | 13.387 |
| 94                                        | 10.172 | 10.472 | 10.775 | 11.078 | 11.383 | 11.689 | 11.997 | 12.306 | 12.617 | 12.929 | 13.242 | 13.556 | 13.872 |
| 96                                        | 10.533 | 10.844 | 11.157 | 11.471 | 11.787 | 12.104 | 12.423 | 12.743 | 13.064 | 13.387 | 13.712 | 14.037 | 14.364 |
| 98                                        | 10.899 | 11.221 | 11.544 | 11.869 | 12.196 | 12.525 | 12.854 | 13.186 | 13.518 | 13.852 | 14.188 | 14.525 | 14.863 |
| 100                                       | 11.269 | 11.602 | 11.937 | 12.273 | 12.611 | 12.951 | 13.292 | 13.634 | 13.978 | 14.324 | 14.670 | 15.019 | 15.369 |
| 102                                       | 11.645 | 11.989 | 12.335 | 12.682 | 13.031 | 13.382 | 13.735 | 14.089 | 14.444 | 14.801 | 15.159 | 15.519 | 15.881 |
| 104                                       | 12.025 | 12.381 | 12.738 | 13.097 | 13.457 | 13.820 | 14.183 | 14.549 | 14.916 | 15.285 | 15.655 | 16.027 | 16.400 |
| 106                                       | 12.411 | 12.777 | 13.146 | 13.516 | 13.888 | 14.262 | 14.638 | 15.015 | 15.394 | 15.774 | 16.156 | 16.540 | 16.925 |
| 108                                       | 12.801 | 13.179 | 13.559 | 13.941 | 14.325 | 14.711 | 15.098 | 15.487 | 15.878 | 16.270 | 16.664 | 17.060 | 17.457 |
| 110                                       | 13.196 | 13.586 | 13.978 | 14.371 | 14.767 | 15.164 | 15.564 | 15.965 | 16.368 | 16.772 | 17.178 | 17.586 | 17.996 |
| 112                                       | 13.595 | 13.997 | 14.401 | 14.807 | 15.214 | 15.624 | 16.035 | 16.448 | 16.863 | 17.280 | 17.699 | 18.119 | 18.541 |
| 114                                       | 14.000 | 14.413 | 14.829 | 15.247 | 15.667 | 16.088 | 16.512 | 16.937 | 17.365 | 17.794 | 18.225 | 18.658 | 19.092 |
| 116                                       | 14.409 | 14.834 | 15.262 | 15.692 | 16.124 | 16.558 | 16.994 | 17.432 | 17.872 | 18.314 | 18.757 | 19.203 | 19.650 |
| 118                                       | 14.822 | 15.260 | 15.701 | 16.143 | 16.587 | 17.034 | 17.482 | 17.933 | 18.385 | 18.840 | 19.296 | 19.754 | 20.214 |
| 120                                       | 15.241 | 15.691 | 16.144 | 16.598 | 17.055 | 17.514 | 17.976 | 18.439 | 18.904 | 19.371 | 19.840 | 20.312 | 20.785 |

续表 53

| $V \begin{matrix} H \\ D \end{matrix}$ | 54     | 55     | 56     | 57     | 58     | 59     | 60     | 61     | 62     | 63     | 64     | 65     | 66     |
|----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                     | 11.317 | 11.571 | 11.826 | 12.081 | 12.338 | 12.595 | 12.854 | 13.113 | 13.373 | 13.635 | 13.897 | 14.159 | 14.423 |
| 84                                     | 11.778 | 12.042 | 12.307 | 12.573 | 12.840 | 13.108 | 13.377 | 13.647 | 13.918 | 14.190 | 14.462 | 14.736 | 15.010 |
| 86                                     | 12.246 | 12.520 | 12.796 | 13.073 | 13.350 | 13.629 | 13.909 | 14.189 | 14.471 | 14.753 | 15.037 | 15.321 | 15.607 |
| 88                                     | 12.721 | 13.006 | 13.292 | 13.580 | 13.868 | 14.158 | 14.448 | 14.740 | 15.032 | 15.326 | 15.620 | 15.916 | 16.212 |
| 90                                     | 13.203 | 13.499 | 13.796 | 14.095 | 14.394 | 14.694 | 14.996 | 15.299 | 15.602 | 15.907 | 16.212 | 16.519 | 16.827 |
| 92                                     | 13.693 | 14.000 | 14.308 | 14.617 | 14.928 | 15.239 | 15.552 | 15.866 | 16.180 | 16.496 | 16.813 | 17.131 | 17.450 |
| 94                                     | 14.189 | 14.507 | 14.826 | 15.147 | 15.469 | 15.792 | 16.116 | 16.441 | 16.767 | 17.094 | 17.423 | 17.752 | 18.083 |
| 96                                     | 14.692 | 15.022 | 15.352 | 15.684 | 16.017 | 16.352 | 16.687 | 17.024 | 17.362 | 17.701 | 18.041 | 18.382 | 18.724 |
| 98                                     | 15.203 | 15.543 | 15.886 | 16.229 | 16.574 | 16.920 | 17.267 | 17.615 | 17.965 | 18.316 | 18.667 | 19.021 | 19.375 |
| 100                                    | 15.720 | 16.072 | 16.426 | 16.781 | 17.138 | 17.495 | 17.854 | 18.214 | 18.576 | 18.939 | 19.302 | 19.668 | 20.034 |
| 102                                    | 16.244 | 16.608 | 16.973 | 17.340 | 17.709 | 18.078 | 18.449 | 18.822 | 19.195 | 19.570 | 19.946 | 20.323 | 20.702 |
| 104                                    | 16.774 | 17.151 | 17.528 | 17.907 | 18.287 | 18.669 | 19.052 | 19.437 | 19.822 | 20.209 | 20.598 | 20.987 | 21.378 |
| 106                                    | 17.312 | 17.700 | 18.090 | 18.481 | 18.873 | 19.267 | 19.663 | 20.059 | 20.457 | 20.857 | 21.258 | 21.660 | 22.063 |
| 108                                    | 17.856 | 18.256 | 18.658 | 19.062 | 19.467 | 19.873 | 20.281 | 20.690 | 21.101 | 21.512 | 21.926 | 22.341 | 22.757 |
| 110                                    | 18.407 | 18.820 | 19.234 | 19.650 | 20.067 | 20.486 | 20.906 | 21.328 | 21.751 | 22.176 | 22.602 | 23.030 | 23.459 |
| 112                                    | 18.964 | 19.390 | 19.816 | 20.245 | 20.675 | 21.106 | 21.540 | 21.974 | 22.410 | 22.848 | 23.287 | 23.727 | 24.169 |
| 114                                    | 19.528 | 19.966 | 20.406 | 20.847 | 21.290 | 21.734 | 22.180 | 22.628 | 23.077 | 23.527 | 23.979 | 24.433 | 24.888 |
| 116                                    | 20.099 | 20.550 | 21.002 | 21.456 | 21.912 | 22.369 | 22.828 | 23.289 | 23.751 | 24.215 | 24.680 | 25.147 | 25.615 |
| 118                                    | 20.676 | 21.140 | 21.605 | 22.072 | 22.541 | 23.011 | 23.483 | 23.957 | 24.433 | 24.910 | 25.388 | 25.869 | 26.350 |
| 120                                    | 21.259 | 21.736 | 22.215 | 22.695 | 23.177 | 23.661 | 24.146 | 24.633 | 25.122 | 25.613 | 26.105 | 26.599 | 27.094 |



续表 53

| $\begin{matrix} V & H \\ D \end{matrix}$ | 67     | 68     | 69     | 70     | 71     | 72     | 73     | 74     | 75     | 76     | 77     | 78     | 79     | 80     |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                       | 14.688 | 14.953 | 15.219 | 15.486 | 15.754 | 16.022 | 16.292 | 16.562 | 16.832 | 17.104 | 17.376 | 17.650 | 17.923 | 18.198 |
| 84                                       | 15.285 | 15.562 | 15.839 | 16.116 | 16.395 | 16.674 | 16.955 | 17.236 | 17.518 | 17.800 | 18.084 | 18.368 | 18.653 | 18.939 |
| 86                                       | 15.893 | 16.180 | 16.468 | 16.757 | 17.046 | 17.337 | 17.628 | 17.921 | 18.214 | 18.508 | 18.802 | 19.098 | 19.394 | 19.691 |
| 88                                       | 16.509 | 16.808 | 17.107 | 17.407 | 17.708 | 18.010 | 18.312 | 18.616 | 18.920 | 19.226 | 19.532 | 19.839 | 20.147 | 20.455 |
| 90                                       | 17.135 | 17.445 | 17.755 | 18.067 | 18.379 | 18.692 | 19.007 | 19.322 | 19.638 | 19.955 | 20.272 | 20.591 | 20.910 | 21.231 |
| 92                                       | 17.770 | 18.091 | 18.413 | 18.736 | 19.060 | 19.385 | 19.711 | 20.038 | 20.366 | 20.694 | 21.024 | 21.354 | 21.685 | 22.017 |
| 94                                       | 18.415 | 18.747 | 19.081 | 19.416 | 19.751 | 20.088 | 20.426 | 20.764 | 21.104 | 21.444 | 21.786 | 22.128 | 22.471 | 22.816 |
| 96                                       | 19.068 | 19.412 | 19.758 | 20.104 | 20.452 | 20.801 | 21.150 | 21.501 | 21.852 | 22.205 | 22.559 | 22.913 | 23.269 | 23.625 |
| 98                                       | 19.730 | 20.086 | 20.444 | 20.803 | 21.162 | 21.523 | 21.885 | 22.248 | 22.611 | 22.976 | 23.342 | 23.709 | 24.077 | 24.446 |
| 100                                      | 20.401 | 20.770 | 21.139 | 21.510 | 21.882 | 22.255 | 22.629 | 23.004 | 23.381 | 23.758 | 24.136 | 24.515 | 24.896 | 25.277 |
| 102                                      | 21.081 | 21.462 | 21.844 | 22.227 | 22.612 | 22.997 | 23.384 | 23.771 | 24.160 | 24.550 | 24.941 | 25.333 | 25.726 | 26.120 |
| 104                                      | 21.770 | 22.163 | 22.558 | 22.953 | 23.350 | 23.748 | 24.148 | 24.548 | 24.949 | 25.352 | 25.756 | 26.160 | 26.566 | 26.973 |
| 106                                      | 22.468 | 22.873 | 23.281 | 23.689 | 24.099 | 24.509 | 24.921 | 25.334 | 25.749 | 26.164 | 26.581 | 26.999 | 27.417 | 27.837 |
| 108                                      | 23.174 | 23.593 | 24.012 | 24.434 | 24.856 | 25.280 | 25.705 | 26.131 | 26.558 | 26.987 | 27.416 | 27.847 | 28.279 | 28.712 |
| 110                                      | 23.889 | 24.320 | 24.753 | 25.187 | 25.623 | 26.060 | 26.498 | 26.937 | 27.377 | 27.819 | 28.262 | 28.706 | 29.152 | 29.598 |
| 112                                      | 24.612 | 25.057 | 25.503 | 25.950 | 26.399 | 26.849 | 27.300 | 27.753 | 28.207 | 28.662 | 29.118 | 29.576 | 30.035 | 30.495 |
| 114                                      | 25.344 | 25.802 | 26.261 | 26.722 | 27.184 | 27.647 | 28.112 | 28.578 | 29.045 | 29.514 | 29.984 | 30.455 | 30.928 | 31.402 |
| 116                                      | 26.085 | 26.556 | 27.029 | 27.503 | 27.978 | 28.455 | 28.933 | 29.413 | 29.894 | 30.376 | 30.860 | 31.345 | 31.831 | 32.319 |
| 118                                      | 26.834 | 27.318 | 27.805 | 28.292 | 28.781 | 29.272 | 29.764 | 30.257 | 30.752 | 31.248 | 31.746 | 32.245 | 32.745 | 33.247 |
| 120                                      | 27.591 | 28.089 | 28.589 | 29.091 | 29.594 | 30.098 | 30.604 | 31.111 | 31.620 | 32.130 | 32.642 | 33.155 | 33.669 | 34.185 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 18    | 19    | 20    | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     |
|-------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 5.792 | 6.183 | 6.579 | 6.978  | 7.382  | 7.789  | 8.200  | 8.615  | 9.033  | 9.455  | 9.879  | 10.307 | 10.738 |
| 124                                       | 5.950 | 6.352 | 6.758 | 7.169  | 7.583  | 8.002  | 8.424  | 8.850  | 9.280  | 9.713  | 10.149 | 10.589 | 11.032 |
| 126                                       | 6.110 | 6.523 | 6.940 | 7.361  | 7.787  | 8.217  | 8.650  | 9.088  | 9.529  | 9.973  | 10.422 | 10.873 | 11.328 |
| 128                                       | 6.271 | 6.695 | 7.123 | 7.556  | 7.993  | 8.434  | 8.879  | 9.328  | 9.781  | 10.237 | 10.697 | 11.160 | 11.627 |
| 130                                       | 6.434 | 6.869 | 7.308 | 7.752  | 8.200  | 8.653  | 9.110  | 9.570  | 10.035 | 10.503 | 10.975 | 11.450 | 11.929 |
| 132                                       |       | 7.045 | 7.495 | 7.951  | 8.410  | 8.874  | 9.343  | 9.815  | 10.292 | 10.772 | 11.256 | 11.744 | 12.235 |
| 134                                       |       | 7.222 | 7.684 | 8.151  | 8.622  | 9.098  | 9.578  | 10.063 | 10.551 | 11.044 | 11.540 | 12.040 | 12.543 |
| 136                                       |       | 7.402 | 7.875 | 8.353  | 8.837  | 9.324  | 9.816  | 10.313 | 10.813 | 11.318 | 11.826 | 12.339 | 12.855 |
| 138                                       |       | 7.583 | 8.068 | 8.558  | 9.053  | 9.552  | 10.056 | 10.565 | 11.078 | 11.595 | 12.116 | 12.641 | 13.169 |
| 140                                       |       | 7.766 | 8.262 | 8.764  | 9.271  | 9.783  | 10.299 | 10.820 | 11.345 | 11.874 | 12.408 | 12.945 | 13.487 |
| 142                                       |       |       | 8.459 | 8.972  | 9.491  | 10.015 | 10.544 | 11.077 | 11.615 | 12.157 | 12.703 | 13.253 | 13.807 |
| 144                                       |       |       | 8.657 | 9.183  | 9.714  | 10.250 | 10.791 | 11.336 | 11.887 | 12.441 | 13.000 | 13.564 | 14.131 |
| 146                                       |       |       | 8.857 | 9.395  | 9.938  | 10.487 | 11.040 | 11.598 | 12.161 | 12.729 | 13.301 | 13.877 | 14.457 |
| 148                                       |       |       | 9.059 | 9.609  | 10.165 | 10.725 | 11.292 | 11.863 | 12.438 | 13.019 | 13.604 | 14.193 | 14.787 |
| 150                                       |       |       | 9.262 | 9.825  | 10.393 | 10.967 | 11.545 | 12.129 | 12.718 | 13.311 | 13.909 | 14.512 | 15.119 |
| 152                                       |       |       |       | 10.043 | 10.623 | 11.210 | 11.801 | 12.398 | 13.000 | 13.607 | 14.218 | 14.834 | 15.454 |
| 154                                       |       |       |       | 10.262 | 10.856 | 11.455 | 12.060 | 12.669 | 13.284 | 13.904 | 14.529 | 15.158 | 15.792 |
| 156                                       |       |       |       | 10.484 | 11.090 | 11.702 | 12.320 | 12.943 | 13.571 | 14.205 | 14.843 | 15.486 | 16.133 |
| 158                                       |       |       |       | 10.707 | 11.327 | 11.952 | 12.583 | 13.219 | 13.861 | 14.507 | 15.159 | 15.816 | 16.477 |
| 160                                       |       |       |       | 10.933 | 11.565 | 12.203 | 12.847 | 13.497 | 14.152 | 14.813 | 15.478 | 16.149 | 16.824 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 11.173 | 11.610 | 12.049 | 12.492 | 12.937 | 13.385 | 13.836 | 14.289 | 14.745 | 15.203 | 15.664 | 16.126 | 16.592 |
| 124                                       | 11.477 | 11.926 | 12.378 | 12.833 | 13.290 | 13.751 | 14.214 | 14.679 | 15.147 | 15.618 | 16.091 | 16.566 | 17.044 |
| 126                                       | 11.786 | 12.247 | 12.711 | 13.177 | 13.647 | 14.120 | 14.595 | 15.073 | 15.554 | 16.037 | 16.523 | 17.011 | 17.502 |
| 128                                       | 12.097 | 12.570 | 13.046 | 13.526 | 14.008 | 14.493 | 14.981 | 15.472 | 15.965 | 16.461 | 16.960 | 17.461 | 17.964 |
| 130                                       | 12.412 | 12.897 | 13.386 | 13.877 | 14.372 | 14.870 | 15.370 | 15.874 | 16.380 | 16.889 | 17.401 | 17.915 | 18.431 |
| 132                                       | 12.729 | 13.227 | 13.728 | 14.233 | 14.740 | 15.251 | 15.764 | 16.280 | 16.799 | 17.321 | 17.846 | 18.373 | 18.903 |
| 134                                       | 13.050 | 13.561 | 14.074 | 14.591 | 15.112 | 15.635 | 16.161 | 16.691 | 17.223 | 17.758 | 18.296 | 18.837 | 19.380 |
| 136                                       | 13.374 | 13.897 | 14.424 | 14.954 | 15.487 | 16.023 | 16.563 | 17.105 | 17.651 | 18.199 | 18.750 | 19.304 | 19.861 |
| 138                                       | 13.702 | 14.237 | 14.777 | 15.320 | 15.866 | 16.415 | 16.968 | 17.524 | 18.083 | 18.644 | 19.209 | 19.777 | 20.347 |
| 140                                       | 14.032 | 14.581 | 15.133 | 15.689 | 16.248 | 16.811 | 17.377 | 17.946 | 18.519 | 19.094 | 19.672 | 20.254 | 20.838 |
| 142                                       | 14.365 | 14.927 | 15.493 | 16.062 | 16.635 | 17.211 | 17.790 | 18.373 | 18.959 | 19.548 | 20.140 | 20.735 | 21.333 |
| 144                                       | 14.702 | 15.277 | 15.856 | 16.438 | 17.024 | 17.614 | 18.207 | 18.803 | 19.403 | 20.006 | 20.612 | 21.221 | 21.833 |
| 146                                       | 15.042 | 15.630 | 16.222 | 16.818 | 17.418 | 18.021 | 18.627 | 19.238 | 19.851 | 20.468 | 21.088 | 21.711 | 22.337 |
| 148                                       | 15.384 | 15.986 | 16.592 | 17.201 | 17.814 | 18.431 | 19.052 | 19.676 | 20.303 | 20.934 | 21.568 | 22.206 | 22.846 |
| 150                                       | 15.730 | 16.345 | 16.965 | 17.588 | 18.215 | 18.846 | 19.480 | 20.118 | 20.760 | 21.405 | 22.053 | 22.705 | 23.360 |
| 152                                       | 16.079 | 16.708 | 17.341 | 17.978 | 18.619 | 19.263 | 19.912 | 20.564 | 21.220 | 21.879 | 22.542 | 23.208 | 23.878 |
| 154                                       | 16.431 | 17.073 | 17.720 | 18.371 | 19.026 | 19.685 | 20.348 | 21.014 | 21.684 | 22.358 | 23.035 | 23.716 | 24.400 |
| 156                                       | 16.785 | 17.442 | 18.103 | 18.768 | 19.437 | 20.110 | 20.787 | 21.468 | 22.153 | 22.841 | 23.533 | 24.228 | 24.927 |
| 158                                       | 17.143 | 17.814 | 18.489 | 19.168 | 19.851 | 20.539 | 21.230 | 21.926 | 22.625 | 23.328 | 24.034 | 24.745 | 25.458 |
| 160                                       | 17.504 | 18.189 | 18.878 | 19.571 | 20.269 | 20.971 | 21.677 | 22.387 | 23.101 | 23.819 | 24.540 | 25.265 | 25.994 |

续表53

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 17.059 | 17.529 | 18.000 | 18.474 | 18.950 | 19.429 | 19.909 | 20.391 | 20.875 | 21.361 | 21.849 | 22.339 | 22.831 |
| 124                                       | 17.525 | 18.007 | 18.492 | 18.979 | 19.468 | 19.959 | 20.452 | 20.947 | 21.445 | 21.944 | 22.446 | 22.949 | 23.454 |
| 126                                       | 17.995 | 18.490 | 18.988 | 19.488 | 19.990 | 20.495 | 21.001 | 21.510 | 22.021 | 22.533 | 23.048 | 23.565 | 24.084 |
| 128                                       | 18.470 | 18.979 | 19.490 | 20.003 | 20.518 | 21.036 | 21.556 | 22.078 | 22.602 | 23.129 | 23.657 | 24.188 | 24.720 |
| 130                                       | 18.951 | 19.472 | 19.997 | 20.523 | 21.052 | 21.583 | 22.117 | 22.652 | 23.190 | 23.730 | 24.272 | 24.817 | 25.363 |
| 132                                       | 19.436 | 19.971 | 20.509 | 21.049 | 21.591 | 22.136 | 22.683 | 23.232 | 23.784 | 24.338 | 24.894 | 25.452 | 26.012 |
| 134                                       | 19.926 | 20.475 | 21.026 | 21.579 | 22.135 | 22.694 | 23.255 | 23.818 | 24.383 | 24.951 | 25.521 | 26.094 | 26.668 |
| 136                                       | 20.421 | 20.983 | 21.548 | 22.115 | 22.685 | 23.257 | 23.832 | 24.409 | 24.989 | 25.571 | 26.155 | 26.742 | 27.330 |
| 138                                       | 20.920 | 21.496 | 22.075 | 22.656 | 23.240 | 23.826 | 24.415 | 25.007 | 25.600 | 26.197 | 26.795 | 27.396 | 27.999 |
| 140                                       | 21.425 | 22.015 | 22.607 | 23.203 | 23.800 | 24.401 | 25.004 | 25.610 | 26.218 | 26.828 | 27.441 | 28.056 | 28.674 |
| 142                                       | 21.934 | 22.538 | 23.144 | 23.754 | 24.366 | 24.981 | 25.598 | 26.218 | 26.841 | 27.466 | 28.093 | 28.723 | 29.355 |
| 144                                       | 22.448 | 23.066 | 23.687 | 24.310 | 24.937 | 25.566 | 26.198 | 26.832 | 27.470 | 28.109 | 28.751 | 29.396 | 30.043 |
| 146                                       | 22.966 | 23.599 | 24.234 | 24.872 | 25.513 | 26.157 | 26.803 | 27.452 | 28.104 | 28.759 | 29.416 | 30.075 | 30.737 |
| 148                                       | 23.490 | 24.136 | 24.786 | 25.439 | 26.094 | 26.753 | 27.414 | 28.078 | 28.744 | 29.414 | 30.086 | 30.760 | 31.438 |
| 150                                       | 24.018 | 24.679 | 25.343 | 26.010 | 26.681 | 27.354 | 28.030 | 28.709 | 29.391 | 30.075 | 30.762 | 31.452 | 32.144 |
| 152                                       | 24.550 | 25.226 | 25.905 | 26.587 | 27.272 | 27.960 | 28.651 | 29.345 | 30.042 | 30.742 | 31.444 | 32.149 | 32.857 |
| 154                                       | 25.087 | 25.778 | 26.472 | 27.169 | 27.869 | 28.572 | 29.278 | 29.988 | 30.700 | 31.414 | 32.132 | 32.853 | 33.576 |
| 156                                       | 25.629 | 26.335 | 27.044 | 27.756 | 28.471 | 29.189 | 29.911 | 30.635 | 31.363 | 32.093 | 32.826 | 33.562 | 34.301 |
| 158                                       | 26.176 | 26.896 | 27.620 | 28.347 | 29.078 | 29.812 | 30.548 | 31.288 | 32.031 | 32.777 | 33.526 | 34.278 | 35.032 |
| 160                                       | 26.726 | 27.462 | 28.201 | 28.944 | 29.690 | 30.439 | 31.191 | 31.947 | 32.705 | 33.467 | 34.231 | 34.999 | 35.769 |

续表53

| $V \backslash H$<br>$D$ | 57     | 58     | 59     | 60     | 61     | 62     | 63     | 64     | 65     | 66     | 67     | 68     | 69     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                     | 23.325 | 23.820 | 24.317 | 24.816 | 25.317 | 25.819 | 26.323 | 26.829 | 27.337 | 27.846 | 28.356 | 28.869 | 29.382 |
| 124                     | 23.961 | 24.470 | 24.981 | 25.493 | 26.008 | 26.524 | 27.042 | 27.561 | 28.083 | 28.606 | 29.130 | 29.656 | 30.184 |
| 126                     | 24.604 | 25.127 | 25.652 | 26.178 | 26.706 | 27.236 | 27.768 | 28.301 | 28.837 | 29.374 | 29.912 | 30.453 | 30.995 |
| 128                     | 25.254 | 25.791 | 26.329 | 26.869 | 27.412 | 27.956 | 28.501 | 29.049 | 29.598 | 30.150 | 30.703 | 31.257 | 31.814 |
| 130                     | 25.911 | 26.462 | 27.014 | 27.568 | 28.124 | 28.683 | 29.243 | 29.804 | 30.368 | 30.934 | 31.501 | 32.070 | 32.641 |
| 132                     | 26.575 | 27.139 | 27.706 | 28.274 | 28.844 | 29.417 | 29.991 | 30.567 | 31.146 | 31.726 | 32.307 | 32.891 | 33.476 |
| 134                     | 27.245 | 27.823 | 28.404 | 28.987 | 29.572 | 30.159 | 30.747 | 31.338 | 31.931 | 32.525 | 33.122 | 33.720 | 34.320 |
| 136                     | 27.921 | 28.514 | 29.109 | 29.707 | 30.306 | 30.907 | 31.511 | 32.116 | 32.724 | 33.333 | 33.944 | 34.558 | 35.173 |
| 138                     | 28.604 | 29.212 | 29.822 | 30.434 | 31.048 | 31.664 | 32.282 | 32.902 | 33.524 | 34.149 | 34.775 | 35.403 | 36.033 |
| 140                     | 29.294 | 29.916 | 30.541 | 31.167 | 31.796 | 32.427 | 33.060 | 33.695 | 34.333 | 34.972 | 35.613 | 36.257 | 36.902 |
| 142                     | 29.990 | 30.627 | 31.266 | 31.908 | 32.552 | 33.198 | 33.846 | 34.496 | 35.149 | 35.803 | 36.460 | 37.118 | 37.779 |
| 144                     | 30.693 | 31.345 | 31.999 | 32.656 | 33.314 | 33.976 | 34.639 | 35.304 | 35.972 | 36.642 | 37.314 | 37.988 | 38.664 |
| 146                     | 31.402 | 32.069 | 32.738 | 33.410 | 34.084 | 34.760 | 35.439 | 36.120 | 36.803 | 37.489 | 38.176 | 38.866 | 39.557 |
| 148                     | 32.117 | 32.799 | 33.484 | 34.171 | 34.861 | 35.552 | 36.247 | 36.943 | 37.642 | 38.343 | 39.046 | 39.751 | 40.459 |
| 150                     | 32.839 | 33.537 | 34.237 | 34.939 | 35.644 | 36.351 | 37.061 | 37.773 | 38.488 | 39.204 | 39.923 | 40.645 | 41.368 |
| 152                     | 33.567 | 34.280 | 34.996 | 35.714 | 36.434 | 37.158 | 37.883 | 38.611 | 39.341 | 40.074 | 40.809 | 41.546 | 42.285 |
| 154                     | 34.302 | 35.030 | 35.762 | 36.495 | 37.232 | 37.971 | 38.712 | 39.456 | 40.202 | 40.951 | 41.702 | 42.455 | 43.211 |
| 156                     | 35.043 | 35.787 | 36.534 | 37.283 | 38.036 | 38.791 | 39.548 | 40.308 | 41.070 | 41.835 | 42.602 | 43.372 | 44.144 |
| 158                     | 35.790 | 36.550 | 37.313 | 38.078 | 38.847 | 39.617 | 40.391 | 41.167 | 41.946 | 42.727 | 43.510 | 44.296 | 45.085 |
| 160                     | 36.543 | 37.319 | 38.098 | 38.880 | 39.664 | 40.451 | 41.241 | 42.033 | 42.828 | 43.626 | 44.426 | 45.229 | 46.034 |

续表53

| $\begin{matrix} V \\ H \\ L \end{matrix}$ | 70     | 71     | 72     | 73     | 74     | 75     | 76     | 77     | 78     | 79     | 80     |  |  |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| 122                                       | 29.898 | 30.415 | 30.933 | 31.453 | 31.975 | 32.497 | 33.022 | 33.548 | 34.075 | 34.604 | 35.134 |  |  |
| 124                                       | 30.714 | 31.245 | 31.777 | 32.312 | 32.847 | 33.384 | 33.923 | 34.463 | 35.005 | 35.548 | 36.092 |  |  |
| 126                                       | 31.538 | 32.084 | 32.631 | 33.179 | 33.729 | 34.281 | 34.834 | 35.388 | 35.945 | 36.502 | 37.061 |  |  |
| 128                                       | 32.372 | 32.931 | 33.493 | 34.056 | 34.620 | 35.186 | 35.754 | 36.323 | 36.894 | 37.467 | 38.040 |  |  |
| 130                                       | 33.213 | 33.788 | 34.364 | 34.941 | 35.520 | 36.101 | 36.684 | 37.268 | 37.854 | 38.441 | 39.030 |  |  |
| 132                                       | 34.064 | 34.653 | 35.243 | 35.836 | 36.430 | 37.026 | 37.623 | 38.222 | 38.823 | 39.425 | 40.029 |  |  |
| 134                                       | 34.922 | 35.526 | 36.132 | 36.739 | 37.348 | 37.959 | 38.572 | 39.186 | 39.802 | 40.419 | 41.038 |  |  |
| 136                                       | 35.790 | 36.409 | 37.029 | 37.652 | 38.276 | 38.902 | 39.529 | 40.159 | 40.790 | 41.423 | 42.057 |  |  |
| 138                                       | 36.665 | 37.299 | 37.935 | 38.573 | 39.212 | 39.854 | 40.497 | 41.141 | 41.788 | 42.436 | 43.086 |  |  |
| 140                                       | 37.549 | 38.199 | 38.850 | 39.503 | 40.158 | 40.814 | 41.473 | 42.133 | 42.796 | 43.459 | 44.125 |  |  |
| 142                                       | 38.442 | 39.106 | 39.773 | 40.442 | 41.112 | 41.784 | 42.459 | 43.135 | 43.813 | 44.492 | 45.174 |  |  |
| 144                                       | 39.342 | 40.023 | 40.705 | 41.389 | 42.075 | 42.763 | 43.453 | 44.145 | 44.839 | 45.535 | 46.232 |  |  |
| 146                                       | 40.251 | 40.947 | 41.645 | 42.345 | 43.047 | 43.751 | 44.457 | 45.165 | 45.875 | 46.587 | 47.300 |  |  |
| 148                                       | 41.168 | 41.880 | 42.594 | 43.310 | 44.028 | 44.748 | 45.470 | 46.194 | 46.920 | 47.648 | 48.378 |  |  |
| 150                                       | 42.094 | 42.821 | 43.551 | 44.283 | 45.018 | 45.754 | 46.492 | 47.232 | 47.975 | 48.719 | 49.465 |  |  |
| 152                                       | 43.027 | 43.771 | 44.517 | 45.265 | 46.016 | 46.768 | 47.523 | 48.280 | 49.038 | 49.799 | 50.562 |  |  |
| 154                                       | 43.969 | 44.729 | 45.491 | 46.256 | 47.023 | 47.792 | 48.563 | 49.336 | 50.111 | 50.889 | 51.668 |  |  |
| 156                                       | 44.918 | 45.695 | 46.474 | 47.255 | 48.038 | 48.824 | 49.612 | 50.401 | 51.194 | 51.988 | 52.784 |  |  |
| 158                                       | 45.876 | 46.669 | 47.464 | 48.262 | 49.062 | 49.865 | 50.669 | 51.476 | 52.285 | 53.096 | 53.909 |  |  |
| 160                                       | 46.841 | 47.651 | 48.463 | 49.278 | 50.095 | 50.914 | 51.736 | 52.559 | 53.385 | 54.214 | 55.044 |  |  |

续表53

| $V \backslash H$<br>$D$ | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     | 32     | 33     | 34     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 162                     | 11.805 | 12.457 | 13.114 | 13.778 | 14.446 | 15.121 | 15.800 | 16.484 | 17.174 | 17.868 | 18.567 | 19.270 | 19.978 |
| 164                     | 12.048 | 12.713 | 13.384 | 14.060 | 14.743 | 15.431 | 16.124 | 16.823 | 17.526 | 18.235 | 18.948 | 19.666 | 20.388 |
| 166                     | 12.292 | 12.970 | 13.655 | 14.345 | 15.042 | 15.744 | 16.451 | 17.164 | 17.881 | 18.604 | 19.332 | 20.064 | 20.801 |
| 168                     | 12.538 | 13.230 | 13.928 | 14.633 | 15.343 | 16.059 | 16.781 | 17.507 | 18.240 | 18.977 | 19.719 | 20.466 | 21.218 |
| 170                     | 12.786 | 13.492 | 14.204 | 14.922 | 15.647 | 16.377 | 17.113 | 17.854 | 18.601 | 19.352 | 20.109 | 20.871 | 21.638 |
| 172                     |        | 13.756 | 14.482 | 15.214 | 15.953 | 16.697 | 17.447 | 18.203 | 18.964 | 19.731 | 20.503 | 21.279 | 22.061 |
| 174                     |        | 14.022 | 14.762 | 15.508 | 16.261 | 17.020 | 17.784 | 18.555 | 19.331 | 20.112 | 20.899 | 21.691 | 22.487 |
| 176                     |        | 14.289 | 15.044 | 15.804 | 16.572 | 17.345 | 18.124 | 18.909 | 19.700 | 20.496 | 21.298 | 22.105 | 22.917 |
| 178                     |        | 14.559 | 15.328 | 16.103 | 16.885 | 17.672 | 18.466 | 19.266 | 20.072 | 20.884 | 21.700 | 22.523 | 23.350 |
| 180                     |        | 14.831 | 15.614 | 16.404 | 17.200 | 18.002 | 18.811 | 19.626 | 20.447 | 21.273 | 22.106 | 22.943 | 23.786 |

续表53

| $V \backslash H$<br>$D$ | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     | 44     | 45     | 46     | 47     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 162                     | 20.690 | 21.407 | 22.128 | 22.852 | 23.581 | 24.314 | 25.050 | 25.790 | 26.534 | 27.282 | 28.033 | 28.787 | 29.545 |
| 164                     | 21.115 | 21.846 | 22.582 | 23.321 | 24.065 | 24.813 | 25.564 | 26.320 | 27.079 | 27.842 | 28.608 | 29.378 | 30.152 |
| 166                     | 21.543 | 22.289 | 23.040 | 23.794 | 24.553 | 25.316 | 26.083 | 26.853 | 27.628 | 28.406 | 29.188 | 29.974 | 30.763 |
| 168                     | 21.975 | 22.736 | 23.501 | 24.271 | 25.045 | 25.823 | 26.605 | 27.391 | 28.181 | 28.975 | 29.773 | 30.574 | 31.379 |
| 170                     | 22.409 | 23.185 | 23.966 | 24.751 | 25.540 | 26.334 | 27.131 | 27.933 | 28.739 | 29.549 | 30.362 | 31.179 | 32.000 |
| 172                     | 22.848 | 23.639 | 24.435 | 25.235 | 26.040 | 26.849 | 27.662 | 28.479 | 29.301 | 30.126 | 30.956 | 31.789 | 32.626 |
| 174                     | 23.289 | 24.096 | 24.907 | 25.723 | 26.543 | 27.368 | 28.197 | 29.030 | 29.867 | 30.709 | 31.554 | 32.403 | 33.257 |
| 176                     | 23.734 | 24.556 | 25.383 | 26.214 | 27.050 | 27.890 | 28.735 | 29.584 | 30.438 | 31.295 | 32.157 | 33.022 | 33.892 |
| 178                     | 24.182 | 25.020 | 25.862 | 26.709 | 27.561 | 28.417 | 29.278 | 30.143 | 31.013 | 31.886 | 32.764 | 33.646 | 34.532 |
| 180                     | 24.634 | 25.487 | 26.345 | 27.208 | 28.076 | 28.948 | 29.825 | 30.706 | 31.592 | 32.482 | 33.376 | 34.274 | 35.177 |



续表 53

| $V \backslash H$<br>$D$ | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 162                     | 30.307 | 31.072 | 31.839 | 32.611 | 33.385 | 34.162 | 34.943 | 35.726 | 36.513 | 37.302 | 38.095 | 38.890 | 39.688 |
| 164                     | 30.929 | 31.709 | 32.493 | 33.280 | 34.070 | 34.864 | 35.660 | 36.460 | 37.262 | 38.068 | 38.876 | 39.688 | 40.502 |
| 166                     | 31.556 | 32.352 | 33.152 | 33.955 | 34.761 | 35.570 | 36.383 | 37.199 | 38.018 | 38.840 | 39.665 | 40.492 | 41.323 |
| 168                     | 32.188 | 33.000 | 33.816 | 34.635 | 35.457 | 36.283 | 37.112 | 37.944 | 38.779 | 39.617 | 40.459 | 41.303 | 42.151 |
| 170                     | 32.825 | 33.653 | 34.485 | 35.320 | 36.159 | 37.001 | 37.846 | 38.695 | 39.546 | 40.401 | 41.260 | 42.121 | 42.985 |
| 172                     | 33.467 | 34.311 | 35.159 | 36.011 | 36.866 | 37.724 | 38.586 | 39.451 | 40.320 | 41.192 | 42.066 | 42.944 | 43.826 |
| 174                     | 34.114 | 34.974 | 35.839 | 36.707 | 37.578 | 38.453 | 39.332 | 40.214 | 41.099 | 41.988 | 42.879 | 43.774 | 44.673 |
| 176                     | 34.765 | 35.642 | 36.523 | 37.408 | 38.296 | 39.188 | 40.083 | 40.982 | 41.884 | 42.790 | 43.699 | 44.611 | 45.526 |
| 178                     | 35.422 | 36.316 | 37.213 | 38.114 | 39.019 | 39.928 | 40.840 | 41.756 | 42.675 | 43.598 | 44.524 | 45.453 | 46.386 |
| 180                     | 36.083 | 36.994 | 37.908 | 38.826 | 39.748 | 40.674 | 41.603 | 42.536 | 43.472 | 44.412 | 45.355 | 46.302 | 47.252 |

续表53

| <div><div><div><div><div></div><div></div></div><div><div><div><div></div><div></div></div><div><div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div><div><div></div><div></div></div></div></div></div></div></div></div></div></div> | 61     | 62     | 63     | 64     | 65     | 66     | 67     | 68     | 69     | 70     | 71     | 72     | 73     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 162                                                                                                                                                                                                                                                                                            | 40.488 | 41.292 | 42.098 | 42.907 | 43.718 | 44.533 | 45.349 | 46.169 | 46.990 | 47.815 | 48.641 | 49.470 | 50.302 |
| 164                                                                                                                                                                                                                                                                                            | 41.319 | 42.139 | 43.962 | 43.788 | 44.616 | 45.447 | 46.280 | 47.116 | 47.955 | 48.796 | 49.640 | 50.486 | 51.334 |
| 166                                                                                                                                                                                                                                                                                            | 42.157 | 43.994 | 44.833 | 44.675 | 45.520 | 46.968 | 47.218 | 48.071 | 48.927 | 49.785 | 50.646 | 51.509 | 52.375 |
| 168                                                                                                                                                                                                                                                                                            | 43.001 | 44.855 | 45.711 | 45.570 | 46.432 | 47.297 | 48.164 | 49.034 | 49.907 | 50.782 | 51.660 | 52.541 | 53.424 |
| 170                                                                                                                                                                                                                                                                                            | 43.852 | 45.723 | 46.596 | 46.472 | 47.351 | 48.233 | 49.117 | 50.004 | 50.894 | 51.787 | 52.683 | 53.581 | 54.481 |
| 172                                                                                                                                                                                                                                                                                            | 44.710 | 45.597 | 46.487 | 47.381 | 48.277 | 49.176 | 50.078 | 50.982 | 51.890 | 52.800 | 53.713 | 54.628 | 55.547 |
| 174                                                                                                                                                                                                                                                                                            | 45.574 | 46.478 | 47.386 | 48.296 | 49.210 | 50.126 | 51.045 | 51.968 | 52.893 | 53.820 | 54.751 | 55.684 | 56.620 |
| 176                                                                                                                                                                                                                                                                                            | 46.445 | 47.366 | 48.291 | 49.219 | 50.150 | 51.084 | 52.021 | 52.960 | 53.903 | 54.849 | 55.797 | 56.748 | 57.702 |
| 178                                                                                                                                                                                                                                                                                            | 47.322 | 48.261 | 49.203 | 50.146 | 51.097 | 52.049 | 53.003 | 53.961 | 54.921 | 55.884 | 56.851 | 57.820 | 58.792 |
| 180                                                                                                                                                                                                                                                                                            | 48.205 | 49.162 | 50.122 | 51.085 | 52.051 | 53.020 | 53.993 | 54.968 | 55.947 | 56.928 | 57.912 | 58.899 | 59.889 |

续表53

| $\begin{matrix} V \\ D \end{matrix}$ | $H$    |        |        |        |        |        |        |  |  |  |  |  |  |  |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|
|                                      | 74     | 75     | 76     | 77     | 78     | 79     | 80     |  |  |  |  |  |  |  |
| 162                                  | 51.136 | 51.972 | 52.811 | 53.652 | 54.495 | 55.340 | 56.188 |  |  |  |  |  |  |  |
| 164                                  | 52.185 | 53.039 | 53.895 | 54.753 | 55.613 | 56.476 | 57.341 |  |  |  |  |  |  |  |
| 166                                  | 53.243 | 54.114 | 54.987 | 55.863 | 56.741 | 57.621 | 58.504 |  |  |  |  |  |  |  |
| 168                                  | 54.310 | 55.198 | 56.089 | 56.982 | 57.877 | 58.775 | 59.675 |  |  |  |  |  |  |  |
| 170                                  | 55.384 | 56.290 | 57.198 | 58.109 | 59.022 | 59.938 | 60.856 |  |  |  |  |  |  |  |
| 172                                  | 56.467 | 57.391 | 58.317 | 59.246 | 60.177 | 61.110 | 62.046 |  |  |  |  |  |  |  |
| 174                                  | 57.559 | 58.500 | 59.444 | 60.391 | 61.340 | 62.291 | 63.245 |  |  |  |  |  |  |  |
| 176                                  | 58.658 | 59.618 | 60.580 | 61.544 | 62.511 | 63.481 | 64.454 |  |  |  |  |  |  |  |
| 178                                  | 59.766 | 60.744 | 61.724 | 62.707 | 63.692 | 64.680 | 65.671 |  |  |  |  |  |  |  |
| 180                                  | 60.882 | 61.878 | 62.876 | 63.877 | 64.881 | 65.888 | 66.897 |  |  |  |  |  |  |  |

## 五十五、西藏地区高山松二元立木材积表

$$V = 0.000049569 D^{1.97201} H^{0.94808}$$

表54

| $V \begin{matrix} H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      |       | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |       |       |       |       |       |       |
| 4                                      | 0.001 | 0.002 | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 |       |       |       |
| 6                                      | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.011 | 0.012 | 0.014 | 0.015 | 0.016 | 0.018 | 0.019 | 0.021 |
| 8                                      | 0.004 | 0.008 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.024 | 0.027 | 0.029 | 0.032 | 0.034 | 0.037 |
| 10                                     | 0.007 | 0.013 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.037 | 0.041 | 0.045 | 0.049 | 0.053 | 0.057 |
| 12                                     |       | 0.019 | 0.025 | 0.031 | 0.036 | 0.042 | 0.048 | 0.053 | 0.059 | 0.065 | 0.070 | 0.076 | 0.081 |
| 14                                     |       | 0.026 | 0.034 | 0.042 | 0.049 | 0.057 | 0.065 | 0.072 | 0.080 | 0.088 | 0.095 | 0.103 | 0.110 |
| 16                                     |       |       | 0.044 | 0.054 | 0.064 | 0.074 | 0.084 | 0.094 | 0.104 | 0.114 | 0.124 | 0.134 | 0.143 |
| 18                                     |       |       | 0.055 | 0.068 | 0.081 | 0.094 | 0.106 | 0.119 | 0.131 | 0.144 | 0.156 | 0.169 | 0.181 |
| 20                                     |       |       | 0.068 | 0.084 | 0.100 | 0.115 | 0.131 | 0.146 | 0.162 | 0.177 | 0.192 | 0.207 | 0.223 |
| 22                                     |       |       |       | 0.101 | 0.120 | 0.139 | 0.158 | 0.177 | 0.195 | 0.214 | 0.232 | 0.250 | 0.269 |
| 24                                     |       |       |       | 0.120 | 0.143 | 0.165 | 0.188 | 0.210 | 0.232 | 0.254 | 0.276 | 0.297 | 0.319 |
| 26                                     |       |       |       | 0.141 | 0.167 | 0.194 | 0.220 | 0.246 | 0.271 | 0.297 | 0.323 | 0.348 | 0.373 |
| 28                                     |       |       |       |       | 0.194 | 0.224 | 0.254 | 0.284 | 0.314 | 0.344 | 0.373 | 0.403 | 0.432 |
| 30                                     |       |       |       |       | 0.222 | 0.257 | 0.291 | 0.326 | 0.360 | 0.394 | 0.428 | 0.462 | 0.495 |
| 32                                     |       |       |       |       |       | 0.291 | 0.331 | 0.370 | 0.409 | 0.447 | 0.486 | 0.524 | 0.562 |
| 34                                     |       |       |       |       |       | 0.328 | 0.373 | 0.417 | 0.461 | 0.504 | 0.548 | 0.591 | 0.634 |
| 36                                     |       |       |       |       |       | 0.368 | 0.417 | 0.467 | 0.516 | 0.564 | 0.613 | 0.661 | 0.709 |
| 38                                     |       |       |       |       |       |       | 0.464 | 0.519 | 0.574 | 0.628 | 0.682 | 0.736 | 0.789 |
| 40                                     |       |       |       |       |       |       | 0.514 | 0.574 | 0.635 | 0.695 | 0.754 | 0.814 | 0.873 |

续表 54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         | 0.022 |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         | 0.039 | 0.041 | 0.044 | 0.046 | 0.049 | 0.051 |       |       |       |       |       |       |       |
| 10                                        | 0.061 | 0.064 | 0.068 | 0.072 | 0.076 | 0.080 | 0.083 | 0.087 | 0.091 |       |       |       |       |
| 12                                        | 0.087 | 0.092 | 0.098 | 0.103 | 0.109 | 0.114 | 0.119 | 0.125 | 0.130 | 0.135 | 0.141 | 0.146 |       |
| 14                                        | 0.118 | 0.125 | 0.132 | 0.140 | 0.147 | 0.154 | 0.162 | 0.169 | 0.176 | 0.184 | 0.191 | 0.198 | 0.205 |
| 16                                        | 0.153 | 0.163 | 0.172 | 0.182 | 0.191 | 0.201 | 0.211 | 0.220 | 0.229 | 0.239 | 0.248 | 0.258 | 0.267 |
| 18                                        | 0.193 | 0.205 | 0.217 | 0.229 | 0.242 | 0.254 | 0.266 | 0.278 | 0.289 | 0.301 | 0.313 | 0.325 | 0.337 |
| 20                                        | 0.238 | 0.253 | 0.268 | 0.282 | 0.297 | 0.312 | 0.327 | 0.342 | 0.356 | 0.371 | 0.386 | 0.400 | 0.415 |
| 22                                        | 0.287 | 0.305 | 0.323 | 0.341 | 0.359 | 0.377 | 0.395 | 0.412 | 0.430 | 0.448 | 0.465 | 0.483 | 0.501 |
| 24                                        | 0.340 | 0.362 | 0.383 | 0.405 | 0.426 | 0.447 | 0.468 | 0.489 | 0.511 | 0.532 | 0.553 | 0.573 | 0.594 |
| 26                                        | 0.399 | 0.424 | 0.449 | 0.474 | 0.499 | 0.524 | 0.548 | 0.573 | 0.598 | 0.622 | 0.647 | 0.672 | 0.696 |
| 28                                        | 0.461 | 0.490 | 0.519 | 0.548 | 0.577 | 0.606 | 0.635 | 0.663 | 0.692 | 0.720 | 0.749 | 0.777 | 0.806 |
| 30                                        | 0.529 | 0.562 | 0.595 | 0.628 | 0.661 | 0.694 | 0.727 | 0.760 | 0.793 | 0.825 | 0.858 | 0.890 | 0.923 |
| 32                                        | 0.600 | 0.638 | 0.676 | 0.714 | 0.751 | 0.789 | 0.826 | 0.863 | 0.900 | 0.937 | 0.974 | 1.011 | 1.048 |
| 34                                        | 0.677 | 0.719 | 0.762 | 0.804 | 0.847 | 0.889 | 0.931 | 0.973 | 1.015 | 1.056 | 1.098 | 1.140 | 1.181 |
| 36                                        | 0.757 | 0.805 | 0.853 | 0.900 | 0.948 | 0.995 | 1.042 | 1.089 | 1.136 | 1.183 | 1.229 | 1.276 | 1.322 |
| 38                                        | 0.843 | 0.896 | 0.949 | 1.002 | 1.054 | 1.107 | 1.159 | 1.211 | 1.264 | 1.316 | 1.367 | 1.419 | 1.471 |
| 40                                        | 0.932 | 0.991 | 1.050 | 1.108 | 1.166 | 1.225 | 1.283 | 1.340 | 1.398 | 1.456 | 1.513 | 1.570 | 1.628 |

续表54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.213 | 0.220 | 0.227 | 0.234 |       |       |       |       |       |       |       |       |       |
| 16                                        | 0.277 | 0.286 | 0.295 | 0.305 | 0.314 | 0.323 | 0.332 | 0.342 | 0.351 | 0.360 |       |       |       |
| 18                                        | 0.349 | 0.361 | 0.372 | 0.384 | 0.396 | 0.408 | 0.419 | 0.431 | 0.443 | 0.454 | 0.466 | 0.478 | 0.489 |
| 20                                        | 0.429 | 0.444 | 0.458 | 0.473 | 0.487 | 0.502 | 0.516 | 0.531 | 0.545 | 0.559 | 0.574 | 0.588 | 0.602 |
| 22                                        | 0.518 | 0.536 | 0.553 | 0.571 | 0.588 | 0.606 | 0.623 | 0.640 | 0.658 | 0.675 | 0.692 | 0.709 | 0.727 |
| 24                                        | 0.615 | 0.636 | 0.657 | 0.678 | 0.698 | 0.719 | 0.740 | 0.760 | 0.781 | 0.801 | 0.822 | 0.842 | 0.863 |
| 26                                        | 0.720 | 0.745 | 0.769 | 0.793 | 0.818 | 0.842 | 0.866 | 0.890 | 0.914 | 0.938 | 0.962 | 0.986 | 1.010 |
| 28                                        | 0.834 | 0.862 | 0.890 | 0.918 | 0.946 | 0.974 | 1.002 | 1.030 | 1.058 | 1.086 | 1.114 | 1.142 | 1.169 |
| 30                                        | 0.955 | 0.988 | 1.020 | 1.052 | 1.084 | 1.116 | 1.148 | 1.180 | 1.212 | 1.244 | 1.276 | 1.308 | 1.340 |
| 32                                        | 1.085 | 1.122 | 1.158 | 1.195 | 1.231 | 1.268 | 1.304 | 1.341 | 1.377 | 1.413 | 1.449 | 1.485 | 1.521 |
| 34                                        | 1.223 | 1.264 | 1.305 | 1.347 | 1.388 | 1.429 | 1.470 | 1.511 | 1.552 | 1.593 | 1.633 | 1.674 | 1.715 |
| 36                                        | 1.369 | 1.415 | 1.461 | 1.507 | 1.553 | 1.599 | 1.645 | 1.691 | 1.737 | 1.783 | 1.828 | 1.874 | 1.919 |
| 38                                        | 1.523 | 1.574 | 1.628 | 1.677 | 1.728 | 1.779 | 1.830 | 1.881 | 1.932 | 1.983 | 2.034 | 2.085 | 2.135 |
| 40                                        | 1.685 | 1.742 | 1.799 | 1.855 | 1.912 | 1.969 | 2.025 | 2.082 | 2.138 | 2.194 | 2.250 | 2.306 | 2.362 |

续表 54

| $V \quad H$<br>$D$ | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    | 51    | 52    | 53    |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                 | 0.501 | 0.512 | 0.524 |       |       |       |       |       |       |       |       |       |       |
| 20                 | 0.616 | 0.631 | 0.645 | 0.659 | 0.673 | 0.688 | 0.702 | 0.716 | 0.730 |       |       |       |       |
| 22                 | 0.744 | 0.761 | 0.778 | 0.795 | 0.813 | 0.830 | 0.847 | 0.864 | 0.881 | 0.898 | 0.915 | 0.932 | 0.949 |
| 24                 | 0.883 | 0.904 | 0.924 | 0.944 | 0.965 | 0.985 | 1.005 | 1.026 | 1.046 | 1.066 | 1.086 | 1.106 | 1.127 |
| 26                 | 1.034 | 1.058 | 1.082 | 1.106 | 1.130 | 1.153 | 1.177 | 1.201 | 1.225 | 1.248 | 1.272 | 1.296 | 1.319 |
| 28                 | 1.197 | 1.225 | 1.252 | 1.280 | 1.307 | 1.335 | 1.362 | 1.390 | 1.417 | 1.445 | 1.472 | 1.499 | 1.527 |
| 30                 | 1.371 | 1.403 | 1.435 | 1.466 | 1.498 | 1.529 | 1.561 | 1.592 | 1.624 | 1.655 | 1.687 | 1.718 | 1.749 |
| 32                 | 1.558 | 1.593 | 1.629 | 1.665 | 1.701 | 1.737 | 1.773 | 1.809 | 1.844 | 1.880 | 1.916 | 1.951 | 1.987 |
| 34                 | 1.755 | 1.796 | 1.836 | 1.877 | 1.917 | 1.958 | 1.998 | 2.038 | 2.078 | 2.119 | 2.159 | 2.199 | 2.239 |
| 36                 | 1.965 | 2.010 | 2.055 | 2.101 | 2.146 | 2.191 | 2.236 | 2.281 | 2.326 | 2.371 | 2.416 | 2.461 | 2.506 |
| 38                 | 2.186 | 2.236 | 2.287 | 2.337 | 2.387 | 2.438 | 2.488 | 2.538 | 2.588 | 2.638 | 2.688 | 2.738 | 2.788 |
| 40                 | 2.418 | 2.474 | 2.530 | 2.586 | 2.642 | 2.697 | 2.753 | 2.808 | 2.864 | 2.919 | 2.974 | 3.030 | 3.085 |

续表 54

| $\begin{array}{c} V \\ \backslash \\ H \\ \backslash \\ D \end{array}$ | 54    | 55    | 56    | 57    | 58    | 59    | 60    |  |  |  |  |  |  |
|------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
|                                                                        |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 2                                                                      |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 4                                                                      |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 6                                                                      |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 8                                                                      |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 10                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 12                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 14                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 16                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 18                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 20                                                                     |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 22                                                                     | 0.966 | 0.983 | 1.000 | 1.017 | 1.034 | 1.050 | 1.067 |  |  |  |  |  |  |
| 24                                                                     | 1.147 | 1.167 | 1.187 | 1.207 | 1.227 | 1.247 | 1.267 |  |  |  |  |  |  |
| 26                                                                     | 1.343 | 1.366 | 1.390 | 1.413 | 1.437 | 1.460 | 1.484 |  |  |  |  |  |  |
| 28                                                                     | 1.554 | 1.581 | 1.609 | 1.636 | 1.663 | 1.690 | 1.717 |  |  |  |  |  |  |
| 30                                                                     | 1.781 | 1.812 | 1.843 | 1.874 | 1.905 | 1.936 | 1.968 |  |  |  |  |  |  |
| 32                                                                     | 2.022 | 2.058 | 2.093 | 2.129 | 2.164 | 2.199 | 2.235 |  |  |  |  |  |  |
| 34                                                                     | 2.279 | 2.319 | 2.359 | 2.399 | 2.439 | 2.479 | 2.518 |  |  |  |  |  |  |
| 36                                                                     | 2.551 | 2.596 | 2.640 | 2.685 | 2.730 | 2.774 | 2.819 |  |  |  |  |  |  |
| 38                                                                     | 2.838 | 2.888 | 2.938 | 2.987 | 3.037 | 3.087 | 3.136 |  |  |  |  |  |  |
| 40                                                                     | 3.140 | 3.195 | 3.250 | 3.305 | 3.360 | 3.415 | 3.470 |  |  |  |  |  |  |



续表 54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.632 | 0.699 | 0.765 | 0.831 | 0.896 | 0.961 | 1.026 | 1.091 | 1.156 | 1.220 | 1.284 | 1.348 | 1.412 |
| 44                                        | 0.693 | 0.766 | 0.838 | 0.910 | 0.982 | 1.054 | 1.125 | 1.196 | 1.267 | 1.337 | 1.408 | 1.478 | 1.548 |
| 46                                        | 0.757 | 0.836 | 0.915 | 0.994 | 1.072 | 1.150 | 1.228 | 1.306 | 1.383 | 1.460 | 1.537 | 1.613 | 1.689 |
| 48                                        |       | 0.909 | 0.995 | 1.081 | 1.166 | 1.251 | 1.336 | 1.420 | 1.504 | 1.588 | 1.671 | 1.754 | 1.837 |
| 50                                        |       | 0.986 | 1.079 | 1.172 | 1.264 | 1.356 | 1.448 | 1.539 | 1.630 | 1.721 | 1.811 | 1.901 | 1.991 |
| 52                                        |       | 1.065 | 1.165 | 1.266 | 1.366 | 1.465 | 1.564 | 1.663 | 1.761 | 1.859 | 1.957 | 2.054 | 2.152 |
| 54                                        |       |       | 1.256 | 1.364 | 1.471 | 1.578 | 1.685 | 1.791 | 1.897 | 2.003 | 2.108 | 2.213 | 2.318 |
| 56                                        |       |       | 1.349 | 1.465 | 1.580 | 1.695 | 1.810 | 1.924 | 2.038 | 2.152 | 2.265 | 2.378 | 2.490 |
| 58                                        |       |       | 1.446 | 1.570 | 1.694 | 1.817 | 1.940 | 2.062 | 2.184 | 2.306 | 2.427 | 2.548 | 2.669 |
| 60                                        |       |       |       | 1.678 | 1.811 | 1.943 | 2.074 | 2.205 | 2.335 | 2.465 | 2.595 | 2.724 | 2.853 |
| 62                                        |       |       |       | 1.791 | 1.932 | 2.072 | 2.212 | 2.352 | 2.491 | 2.630 | 2.768 | 2.906 | 3.044 |
| 64                                        |       |       |       | 1.906 | 2.056 | 2.206 | 2.355 | 2.504 | 2.652 | 2.800 | 2.947 | 3.094 | 3.240 |
| 66                                        |       |       |       |       | 2.185 | 2.344 | 2.503 | 2.661 | 2.818 | 2.975 | 3.131 | 3.287 | 3.443 |
| 68                                        |       |       |       |       | 2.318 | 2.486 | 2.654 | 2.822 | 2.989 | 3.155 | 3.321 | 3.487 | 3.652 |
| 70                                        |       |       |       |       | 2.454 | 2.633 | 2.811 | 2.988 | 3.165 | 3.341 | 3.517 | 3.692 | 3.867 |
| 72                                        |       |       |       |       |       | 2.783 | 2.971 | 3.159 | 3.345 | 3.532 | 3.717 | 3.903 | 4.088 |
| 74                                        |       |       |       |       |       | 2.937 | 3.136 | 3.334 | 3.531 | 3.728 | 3.924 | 4.119 | 4.314 |
| 76                                        |       |       |       |       |       |       | 3.305 | 3.514 | 3.722 | 3.929 | 4.136 | 4.342 | 4.547 |
| 78                                        |       |       |       |       |       |       | 3.479 | 3.699 | 3.917 | 4.136 | 4.353 | 4.570 | 4.786 |
| 80                                        |       |       |       |       |       |       |       | 3.888 | 4.118 | 4.347 | 4.576 | 4.804 | 5.031 |

续表 54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.476 | 1.539 | 1.603 | 1.666 | 1.729 | 1.792 | 1.855 | 1.918 | 1.980 | 2.043 | 2.105 | 2.167 | 2.230 |
| 44                                        | 1.617 | 1.687 | 1.757 | 1.826 | 1.895 | 1.964 | 2.033 | 2.102 | 2.170 | 2.239 | 2.307 | 2.376 | 2.444 |
| 46                                        | 1.766 | 1.842 | 1.918 | 1.993 | 2.069 | 2.144 | 2.219 | 2.294 | 2.369 | 2.444 | 2.519 | 2.593 | 2.668 |
| 48                                        | 1.920 | 2.003 | 2.085 | 2.168 | 2.250 | 2.332 | 2.414 | 2.495 | 2.577 | 2.658 | 2.739 | 2.820 | 2.901 |
| 50                                        | 2.081 | 2.171 | 2.260 | 2.349 | 2.438 | 2.527 | 2.616 | 2.704 | 2.793 | 2.881 | 2.969 | 3.057 | 3.145 |
| 52                                        | 2.249 | 2.345 | 2.442 | 2.538 | 2.634 | 2.730 | 2.826 | 2.922 | 3.017 | 3.113 | 3.208 | 3.303 | 3.397 |
| 54                                        | 2.422 | 2.527 | 2.631 | 2.734 | 2.838 | 2.941 | 3.045 | 3.148 | 3.250 | 3.353 | 3.455 | 3.558 | 3.660 |
| 56                                        | 2.602 | 2.714 | 2.826 | 2.938 | 3.049 | 3.160 | 3.271 | 3.382 | 3.492 | 3.602 | 3.712 | 3.822 | 3.932 |
| 58                                        | 2.789 | 2.909 | 3.029 | 3.148 | 3.268 | 3.387 | 3.505 | 3.624 | 3.742 | 3.860 | 3.978 | 4.096 | 4.214 |
| 60                                        | 2.982 | 3.110 | 3.238 | 3.366 | 3.493 | 3.621 | 3.748 | 3.874 | 4.001 | 4.127 | 4.253 | 4.379 | 4.505 |
| 62                                        | 3.181 | 3.318 | 3.454 | 3.591 | 3.727 | 3.863 | 3.998 | 4.133 | 4.268 | 4.403 | 4.538 | 4.672 | 4.806 |
| 64                                        | 3.386 | 3.532 | 3.678 | 3.823 | 3.968 | 4.112 | 4.256 | 4.400 | 4.544 | 4.688 | 4.831 | 4.974 | 5.117 |
| 66                                        | 3.598 | 3.753 | 3.908 | 4.062 | 4.216 | 4.369 | 4.523 | 4.676 | 4.828 | 4.981 | 5.133 | 5.285 | 5.437 |
| 68                                        | 3.816 | 3.981 | 4.145 | 4.308 | 4.471 | 4.634 | 4.797 | 4.959 | 5.121 | 5.283 | 5.444 | 5.605 | 5.766 |
| 70                                        | 4.041 | 4.215 | 4.388 | 4.562 | 4.734 | 4.907 | 5.079 | 5.251 | 5.422 | 5.594 | 5.765 | 5.935 | 6.105 |
| 72                                        | 4.272 | 4.456 | 4.639 | 4.822 | 5.005 | 5.187 | 5.369 | 5.551 | 5.732 | 5.913 | 6.094 | 6.274 | 6.454 |
| 74                                        | 4.509 | 4.703 | 4.897 | 5.090 | 5.283 | 5.475 | 5.667 | 5.859 | 6.050 | 6.241 | 6.432 | 6.623 | 6.813 |
| 76                                        | 4.752 | 4.957 | 5.161 | 5.365 | 5.568 | 5.771 | 5.973 | 6.175 | 6.377 | 6.578 | 6.779 | 6.980 | 7.181 |
| 78                                        | 5.002 | 5.218 | 5.432 | 5.647 | 5.861 | 6.074 | 6.287 | 6.500 | 6.712 | 6.924 | 7.136 | 7.347 | 7.558 |
| 80                                        | 5.258 | 5.485 | 5.710 | 5.936 | 6.161 | 6.385 | 6.609 | 6.833 | 7.056 | 7.279 | 7.501 | 7.723 | 7.945 |

续表 54

| $\begin{matrix} V & H \\ D \end{matrix}$ | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44     | 45     | 46     | 47     |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 42                                       | 2.292 | 2.354 | 2.416 | 2.478 | 2.539 | 2.601 | 2.663 | 2.724 | 2.786 | 2.847  | 2.908  | 2.970  | 3.031  |
| 44                                       | 2.512 | 2.580 | 2.648 | 2.716 | 2.783 | 2.851 | 2.919 | 2.986 | 3.053 | 3.121  | 3.188  | 3.255  | 3.322  |
| 46                                       | 2.742 | 2.816 | 2.890 | 2.964 | 3.038 | 3.112 | 3.186 | 3.260 | 3.333 | 3.407  | 3.480  | 3.553  | 3.626  |
| 48                                       | 2.982 | 3.069 | 3.144 | 3.224 | 3.304 | 3.385 | 3.465 | 3.545 | 3.625 | 3.705  | 3.785  | 3.864  | 3.944  |
| 50                                       | 3.232 | 3.320 | 3.407 | 3.494 | 3.581 | 3.668 | 3.755 | 3.842 | 3.929 | 4.015  | 4.102  | 4.188  | 4.274  |
| 52                                       | 3.492 | 3.587 | 3.681 | 3.775 | 3.869 | 3.963 | 4.057 | 4.151 | 4.245 | 4.338  | 4.432  | 4.525  | 4.618  |
| 54                                       | 3.762 | 3.864 | 3.965 | 4.067 | 4.168 | 4.270 | 4.371 | 4.472 | 4.573 | 4.673  | 4.774  | 4.875  | 4.975  |
| 56                                       | 4.042 | 4.151 | 4.260 | 4.369 | 4.478 | 4.587 | 4.696 | 4.804 | 4.913 | 5.021  | 5.129  | 5.237  | 5.345  |
| 58                                       | 4.331 | 4.448 | 4.566 | 4.682 | 4.799 | 4.916 | 5.032 | 5.148 | 5.265 | 5.381  | 5.496  | 5.612  | 5.728  |
| 60                                       | 4.631 | 4.756 | 4.881 | 5.006 | 5.131 | 5.256 | 5.380 | 5.504 | 5.629 | 5.753  | 5.877  | 6.000  | 6.124  |
| 62                                       | 4.940 | 5.074 | 5.207 | 5.341 | 5.474 | 5.607 | 5.739 | 5.872 | 6.005 | 6.137  | 6.269  | 6.401  | 6.533  |
| 64                                       | 5.259 | 5.402 | 5.544 | 5.686 | 5.827 | 5.969 | 6.110 | 6.252 | 6.393 | 6.533  | 6.674  | 6.815  | 6.955  |
| 66                                       | 5.588 | 5.739 | 5.890 | 6.041 | 6.192 | 6.342 | 6.493 | 6.643 | 6.792 | 6.942  | 7.092  | 7.241  | 7.390  |
| 68                                       | 5.927 | 6.087 | 6.248 | 6.408 | 6.567 | 6.727 | 6.886 | 7.045 | 7.204 | 7.363  | 7.522  | 7.680  | 7.838  |
| 70                                       | 6.276 | 6.446 | 6.615 | 6.785 | 6.954 | 7.123 | 7.291 | 7.460 | 7.628 | 7.796  | 7.964  | 8.132  | 8.299  |
| 72                                       | 6.634 | 6.814 | 6.993 | 7.172 | 7.351 | 7.530 | 7.708 | 7.886 | 8.064 | 8.242  | 8.419  | 8.596  | 8.773  |
| 74                                       | 7.003 | 7.192 | 7.381 | 7.570 | 7.759 | 7.948 | 8.136 | 8.324 | 8.512 | 8.699  | 8.887  | 9.074  | 9.261  |
| 76                                       | 7.381 | 7.580 | 7.780 | 7.979 | 8.178 | 8.377 | 8.575 | 8.773 | 8.971 | 9.169  | 9.366  | 9.564  | 9.761  |
| 78                                       | 7.769 | 7.979 | 8.189 | 8.398 | 8.608 | 8.817 | 9.026 | 9.234 | 9.443 | 9.651  | 9.859  | 10.066 | 10.274 |
| 80                                       | 8.166 | 8.387 | 8.608 | 8.828 | 9.049 | 9.268 | 9.488 | 9.707 | 9.926 | 10.145 | 10.363 | 10.582 | 10.800 |

续表54

| $V \backslash H$<br>$D$ | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                      | 3.092  | 3.153  | 3.214  | 3.275  | 3.336  | 3.396  | 3.457  | 3.518  | 3.578  | 3.639  | 3.700  | 3.760  | 3.820  |
| 44                      | 3.389  | 3.456  | 3.523  | 3.589  | 3.656  | 3.723  | 3.789  | 3.856  | 3.922  | 3.989  | 4.055  | 4.121  | 4.187  |
| 46                      | 3.699  | 3.772  | 3.845  | 3.918  | 3.991  | 4.064  | 4.137  | 4.209  | 4.282  | 4.354  | 4.426  | 4.499  | 4.571  |
| 48                      | 4.023  | 4.103  | 4.182  | 4.261  | 4.341  | 4.420  | 4.499  | 4.578  | 4.656  | 4.735  | 4.814  | 4.893  | 4.971  |
| 50                      | 4.361  | 4.447  | 4.533  | 4.619  | 4.704  | 4.790  | 4.876  | 4.961  | 5.047  | 5.132  | 5.218  | 5.303  | 5.388  |
| 52                      | 4.711  | 4.804  | 4.897  | 4.990  | 5.083  | 5.175  | 5.268  | 5.360  | 5.453  | 5.545  | 5.637  | 5.729  | 5.821  |
| 54                      | 5.075  | 5.175  | 5.276  | 5.376  | 5.475  | 5.575  | 5.675  | 5.774  | 5.874  | 5.973  | 6.073  | 6.172  | 6.271  |
| 56                      | 5.453  | 5.560  | 5.668  | 5.775  | 5.883  | 5.990  | 6.097  | 6.204  | 6.311  | 6.417  | 6.524  | 6.631  | 6.737  |
| 58                      | 5.843  | 5.959  | 6.074  | 6.189  | 6.304  | 6.419  | 6.534  | 6.648  | 6.763  | 6.877  | 6.992  | 7.106  | 7.220  |
| 60                      | 6.247  | 6.371  | 6.494  | 6.617  | 6.740  | 6.863  | 6.985  | 7.108  | 7.230  | 7.353  | 7.475  | 7.597  | 7.719  |
| 62                      | 6.665  | 6.796  | 6.928  | 7.059  | 7.190  | 7.321  | 7.452  | 7.583  | 7.713  | 7.844  | 7.974  | 8.105  | 8.235  |
| 64                      | 7.095  | 7.235  | 7.375  | 7.515  | 7.655  | 7.794  | 7.933  | 8.073  | 8.212  | 8.351  | 8.490  | 8.628  | 8.767  |
| 66                      | 7.539  | 7.688  | 7.837  | 7.985  | 8.133  | 8.282  | 8.430  | 8.578  | 8.726  | 8.873  | 9.021  | 9.168  | 9.315  |
| 68                      | 7.996  | 8.154  | 8.312  | 8.469  | 8.627  | 8.784  | 8.941  | 9.098  | 9.255  | 9.411  | 9.568  | 9.724  | 9.880  |
| 70                      | 8.467  | 8.634  | 8.801  | 8.968  | 9.134  | 9.301  | 9.467  | 9.633  | 9.799  | 9.965  | 10.131 | 10.296 | 10.461 |
| 72                      | 8.950  | 9.127  | 9.304  | 9.480  | 9.656  | 9.832  | 10.008 | 10.183 | 10.359 | 10.534 | 10.709 | 10.884 | 11.059 |
| 74                      | 9.447  | 9.634  | 9.820  | 10.006 | 10.192 | 10.378 | 10.563 | 10.749 | 10.934 | 11.119 | 11.304 | 11.488 | 11.673 |
| 76                      | 9.957  | 10.154 | 10.350 | 10.546 | 10.742 | 10.938 | 11.134 | 11.329 | 11.524 | 11.719 | 11.914 | 12.109 | 12.303 |
| 78                      | 10.481 | 10.688 | 10.894 | 11.101 | 11.307 | 11.513 | 11.719 | 11.925 | 12.130 | 12.335 | 12.540 | 12.745 | 12.950 |
| 80                      | 11.017 | 11.235 | 11.452 | 11.669 | 11.886 | 12.102 | 12.319 | 12.535 | 12.751 | 12.967 | 13.182 | 13.398 | 13.613 |

续表 54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 16    | 17    | 18    | 19    | 20    | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     |
|-------------------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 4.082 | 4.323 | 4.564 | 4.804 | 5.044 | 5.283  | 5.521  | 5.758  | 5.995  | 6.232  | 6.468  | 6.704  | 6.939  |
| 84                                        | 4.281 | 4.534 | 4.786 | 5.038 | 5.289 | 5.540  | 5.789  | 6.039  | 6.287  | 6.535  | 6.783  | 7.030  | 7.277  |
| 86                                        |       | 4.749 | 5.014 | 5.277 | 5.540 | 5.803  | 6.064  | 6.325  | 6.586  | 6.846  | 7.105  | 7.364  | 7.622  |
| 88                                        |       | 4.970 | 5.246 | 5.522 | 5.797 | 6.072  | 6.346  | 6.619  | 6.891  | 7.163  | 7.435  | 7.705  | 7.976  |
| 90                                        |       | 5.195 | 5.484 | 5.772 | 6.060 | 6.347  | 6.633  | 6.919  | 7.204  | 7.488  | 7.771  | 8.055  | 8.337  |
| 92                                        |       |       | 5.727 | 6.028 | 6.328 | 6.628  | 6.927  | 7.225  | 7.523  | 7.819  | 8.116  | 8.411  | 8.706  |
| 94                                        |       |       | 5.975 | 6.289 | 6.603 | 6.915  | 7.227  | 7.538  | 7.849  | 8.158  | 8.467  | 8.776  | 9.084  |
| 96                                        |       |       | 6.228 | 6.556 | 6.883 | 7.208  | 7.533  | 7.858  | 8.181  | 8.504  | 8.826  | 9.148  | 9.469  |
| 98                                        |       |       |       | 6.828 | 7.168 | 7.508  | 7.846  | 8.184  | 8.521  | 8.857  | 9.193  | 9.527  | 9.862  |
| 100                                       |       |       |       | 7.105 | 7.460 | 7.813  | 8.165  | 8.516  | 8.867  | 9.217  | 9.566  | 9.915  | 10.262 |
| 102                                       |       |       |       | 7.388 | 7.757 | 8.124  | 8.490  | 8.856  | 9.220  | 9.584  | 9.947  | 10.309 | 10.671 |
| 104                                       |       |       |       |       | 8.059 | 8.441  | 8.822  | 9.201  | 9.580  | 9.958  | 10.335 | 10.712 | 11.088 |
| 106                                       |       |       |       |       | 8.368 | 8.764  | 9.159  | 9.553  | 9.947  | 10.339 | 10.731 | 11.122 | 11.512 |
| 108                                       |       |       |       |       | 8.682 | 9.093  | 9.503  | 9.912  | 10.320 | 10.728 | 11.134 | 11.540 | 11.944 |
| 110                                       |       |       |       |       |       | 9.428  | 9.853  | 10.277 | 10.701 | 11.123 | 11.544 | 11.965 | 12.385 |
| 112                                       |       |       |       |       |       | 9.769  | 10.210 | 10.649 | 11.088 | 11.525 | 11.962 | 12.398 | 12.832 |
| 114                                       |       |       |       |       |       | 10.116 | 10.572 | 11.027 | 11.481 | 11.935 | 12.387 | 12.838 | 13.288 |
| 116                                       |       |       |       |       |       |        | 10.941 | 11.412 | 11.882 | 12.351 | 12.819 | 13.286 | 13.752 |
| 118                                       |       |       |       |       |       |        | 11.316 | 11.803 | 12.289 | 12.774 | 13.258 | 13.741 | 14.223 |
| 120                                       |       |       |       |       |       |        | 11.698 | 12.201 | 12.704 | 13.205 | 13.705 | 14.204 | 14.703 |

续表54

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 7.174  | 7.408  | 7.642  | 7.875  | 8.109  | 8.341  | 8.574  | 8.806  | 9.038  | 9.269  | 9.500  | 9.731  | 9.961  |
| 84                                        | 7.523  | 7.769  | 8.014  | 8.259  | 8.503  | 8.747  | 8.991  | 9.234  | 9.477  | 9.720  | 9.962  | 10.204 | 10.446 |
| 86                                        | 7.880  | 8.137  | 8.394  | 8.651  | 8.907  | 9.163  | 9.418  | 9.673  | 9.928  | 10.182 | 10.436 | 10.689 | 10.942 |
| 88                                        | 8.246  | 8.515  | 8.784  | 9.052  | 9.320  | 9.588  | 9.855  | 10.122 | 10.388 | 10.654 | 10.920 | 11.185 | 11.450 |
| 90                                        | 8.619  | 8.901  | 9.182  | 9.462  | 9.742  | 10.022 | 10.301 | 10.580 | 10.859 | 11.137 | 11.414 | 11.692 | 11.969 |
| 92                                        | 9.001  | 9.295  | 9.588  | 9.881  | 10.174 | 10.466 | 10.758 | 11.049 | 11.340 | 11.630 | 11.920 | 12.210 | 12.499 |
| 94                                        | 9.391  | 9.698  | 10.004 | 10.310 | 10.615 | 10.919 | 11.224 | 11.528 | 11.831 | 12.134 | 12.436 | 12.739 | 13.040 |
| 96                                        | 9.789  | 10.109 | 10.428 | 10.747 | 11.065 | 11.383 | 11.700 | 12.016 | 12.332 | 12.648 | 12.964 | 13.279 | 13.593 |
| 98                                        | 10.195 | 10.528 | 10.861 | 11.193 | 11.524 | 11.855 | 12.185 | 12.515 | 12.844 | 13.173 | 13.502 | 13.830 | 14.157 |
| 100                                       | 10.610 | 10.956 | 11.302 | 11.648 | 11.992 | 12.337 | 12.680 | 13.024 | 13.366 | 13.709 | 14.050 | 14.392 | 14.733 |
| 102                                       | 11.032 | 11.392 | 11.752 | 12.111 | 12.470 | 12.828 | 13.185 | 13.542 | 13.899 | 14.254 | 14.610 | 14.965 | 15.319 |
| 104                                       | 11.463 | 11.837 | 12.211 | 12.584 | 12.957 | 13.329 | 13.700 | 14.071 | 14.441 | 14.811 | 15.180 | 15.549 | 15.917 |
| 106                                       | 11.902 | 12.290 | 12.678 | 13.066 | 13.453 | 13.839 | 14.224 | 14.609 | 14.994 | 15.378 | 15.761 | 16.144 | 16.527 |
| 108                                       | 12.348 | 12.752 | 13.154 | 13.556 | 13.958 | 14.358 | 14.758 | 15.158 | 15.557 | 15.955 | 16.353 | 16.750 | 17.147 |
| 110                                       | 12.803 | 13.222 | 13.639 | 14.056 | 14.472 | 14.887 | 15.302 | 15.717 | 16.130 | 16.543 | 16.956 | 17.368 | 17.779 |
| 112                                       | 13.267 | 13.700 | 14.132 | 14.564 | 14.996 | 15.426 | 15.856 | 16.285 | 16.714 | 17.142 | 17.569 | 17.996 | 18.422 |
| 114                                       | 13.738 | 14.187 | 14.634 | 15.082 | 15.528 | 15.974 | 16.419 | 16.863 | 17.307 | 17.750 | 18.193 | 18.635 | 19.076 |
| 116                                       | 14.217 | 14.682 | 15.145 | 15.608 | 16.070 | 16.531 | 16.992 | 17.452 | 17.911 | 18.370 | 18.828 | 19.285 | 19.742 |
| 118                                       | 14.705 | 15.185 | 15.664 | 16.143 | 16.621 | 17.098 | 17.574 | 18.050 | 18.525 | 19.000 | 19.473 | 19.946 | 20.419 |
| 120                                       | 15.200 | 15.697 | 16.192 | 16.687 | 17.118 | 17.674 | 18.167 | 18.658 | 19.149 | 19.640 | 20.129 | 20.619 | 21.107 |

续表 54

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                         | 10.192 | 10.421 | 10.651 | 10.880 | 11.110 | 11.338 | 11.567 | 11.795 | 12.023 | 12.251 | 12.479 | 12.706 | 12.934 |
| 84                                         | 10.688 | 10.929 | 11.169 | 11.410 | 11.650 | 11.890 | 12.130 | 12.369 | 12.609 | 12.848 | 13.086 | 13.325 | 13.563 |
| 86                                         | 11.195 | 11.448 | 11.700 | 11.952 | 12.204 | 12.455 | 12.706 | 12.957 | 13.207 | 13.458 | 13.708 | 13.958 | 14.207 |
| 88                                         | 11.714 | 11.979 | 12.243 | 12.506 | 12.779 | 13.033 | 13.295 | 13.558 | 13.820 | 14.082 | 14.344 | 14.605 | 14.866 |
| 90                                         | 12.245 | 12.521 | 12.797 | 13.073 | 13.348 | 13.623 | 13.898 | 14.172 | 14.446 | 14.720 | 14.994 | 15.267 | 15.540 |
| 92                                         | 12.788 | 13.076 | 13.364 | 13.652 | 13.939 | 14.227 | 14.513 | 14.800 | 15.086 | 15.372 | 15.658 | 15.943 | 16.228 |
| 94                                         | 13.342 | 13.643 | 13.943 | 14.243 | 14.543 | 14.843 | 15.142 | 15.441 | 15.740 | 16.038 | 16.336 | 16.634 | 16.931 |
| 96                                         | 13.907 | 14.221 | 14.534 | 14.847 | 15.160 | 15.472 | 15.784 | 16.096 | 16.407 | 16.718 | 17.029 | 17.339 | 17.649 |
| 98                                         | 14.484 | 14.811 | 15.137 | 15.463 | 15.789 | 16.114 | 16.439 | 16.764 | 17.088 | 17.412 | 17.735 | 18.058 | 18.381 |
| 100                                        | 15.073 | 15.413 | 15.753 | 16.092 | 16.431 | 16.769 | 17.107 | 17.445 | 17.782 | 18.119 | 18.456 | 18.792 | 19.128 |
| 102                                        | 15.673 | 16.027 | 16.380 | 16.733 | 17.085 | 17.437 | 17.789 | 18.140 | 18.491 | 18.841 | 19.191 | 19.541 | 19.890 |
| 104                                        | 16.285 | 16.652 | 17.019 | 17.386 | 17.752 | 18.118 | 18.483 | 18.848 | 19.212 | 19.576 | 19.940 | 20.304 | 20.667 |
| 106                                        | 16.908 | 17.290 | 17.671 | 18.051 | 18.432 | 18.811 | 19.190 | 19.569 | 19.948 | 20.326 | 20.703 | 21.081 | 21.458 |
| 108                                        | 17.543 | 17.939 | 18.334 | 18.729 | 19.124 | 19.518 | 19.911 | 20.304 | 20.697 | 21.089 | 21.481 | 21.872 | 22.263 |
| 110                                        | 18.190 | 18.600 | 19.010 | 19.419 | 19.828 | 20.237 | 20.645 | 21.052 | 21.459 | 21.866 | 22.272 | 22.678 | 23.084 |
| 112                                        | 18.848 | 19.273 | 19.698 | 20.122 | 20.545 | 20.969 | 21.391 | 21.814 | 22.236 | 22.657 | 23.078 | 23.498 | 23.919 |
| 114                                        | 19.517 | 19.957 | 20.397 | 20.837 | 21.275 | 21.713 | 22.151 | 22.589 | 23.025 | 23.462 | 23.898 | 24.333 | 24.768 |
| 116                                        | 20.198 | 20.654 | 21.109 | 21.564 | 22.018 | 22.471 | 22.924 | 23.377 | 23.829 | 24.280 | 24.731 | 25.182 | 25.632 |
| 118                                        | 20.891 | 21.362 | 21.833 | 22.303 | 22.772 | 23.242 | 23.710 | 24.178 | 24.646 | 25.113 | 25.579 | 26.046 | 26.511 |
| 120                                        | 21.595 | 22.082 | 22.568 | 23.054 | 23.540 | 24.025 | 24.509 | 24.993 | 25.476 | 25.959 | 26.441 | 26.923 | 27.405 |

续表 54

| $\begin{array}{c} V \\ \backslash \\ D \end{array} \begin{array}{c} H \end{array}$ | 55     | 56     | 57     | 58     | 59     | 60     |  |  |  |  |  |  |
|------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| 82                                                                                 | 13.161 | 13.387 | 13.614 | 13.840 | 14.066 | 14.292 |  |  |  |  |  |  |
| 84                                                                                 | 13.801 | 14.039 | 14.276 | 14.514 | 14.751 | 14.988 |  |  |  |  |  |  |
| 86                                                                                 | 14.457 | 14.706 | 14.954 | 15.203 | 15.451 | 15.700 |  |  |  |  |  |  |
| 88                                                                                 | 15.127 | 15.388 | 15.648 | 15.908 | 16.168 | 16.428 |  |  |  |  |  |  |
| 90                                                                                 | 15.812 | 16.085 | 16.357 | 16.629 | 16.901 | 17.172 |  |  |  |  |  |  |
| 92                                                                                 | 16.513 | 16.797 | 17.082 | 17.366 | 17.649 | 17.933 |  |  |  |  |  |  |
| 94                                                                                 | 17.228 | 17.525 | 17.822 | 18.118 | 18.414 | 18.710 |  |  |  |  |  |  |
| 96                                                                                 | 17.959 | 18.268 | 18.577 | 18.886 | 19.195 | 19.503 |  |  |  |  |  |  |
| 98                                                                                 | 18.704 | 19.026 | 19.348 | 19.670 | 19.991 | 20.312 |  |  |  |  |  |  |
| 100                                                                                | 19.464 | 19.799 | 20.134 | 20.469 | 20.804 | 21.138 |  |  |  |  |  |  |
| 102                                                                                | 20.239 | 20.588 | 20.936 | 21.284 | 21.632 | 21.980 |  |  |  |  |  |  |
| 104                                                                                | 21.029 | 21.392 | 21.754 | 22.115 | 22.477 | 22.838 |  |  |  |  |  |  |
| 106                                                                                | 21.834 | 22.210 | 22.586 | 22.962 | 23.337 | 23.712 |  |  |  |  |  |  |
| 108                                                                                | 22.654 | 23.044 | 23.434 | 23.824 | 24.213 | 24.602 |  |  |  |  |  |  |
| 110                                                                                | 23.489 | 23.893 | 24.298 | 24.702 | 25.105 | 25.509 |  |  |  |  |  |  |
| 112                                                                                | 24.338 | 24.758 | 25.177 | 25.595 | 26.013 | 26.431 |  |  |  |  |  |  |
| 114                                                                                | 25.203 | 25.637 | 26.071 | 26.504 | 26.937 | 27.370 |  |  |  |  |  |  |
| 116                                                                                | 26.082 | 26.532 | 26.981 | 27.429 | 27.877 | 28.325 |  |  |  |  |  |  |
| 118                                                                                | 26.976 | 27.441 | 27.906 | 28.370 | 28.833 | 29.296 |  |  |  |  |  |  |
| 120                                                                                | 27.886 | 28.366 | 28.846 | 29.326 | 29.805 | 30.283 |  |  |  |  |  |  |



## 五十六、西藏地区冷杉二元立木材积表

$$V = 0.000066304 D^{1.68905} H^{1.18570}$$

表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 |
| 4                                         | 0.002 | 0.003 | 0.004 | 0.005 | 0.006 | 0.007 | 0.008 | 0.009 | 0.011 | 0.012 | 0.013 | 0.014 | 0.016 |
| 6                                         | 0.003 | 0.005 | 0.007 | 0.009 | 0.011 | 0.014 | 0.016 | 0.019 | 0.021 | 0.023 | 0.026 | 0.029 | 0.031 |
| 8                                         | 0.005 | 0.008 | 0.012 | 0.015 | 0.019 | 0.022 | 0.026 | 0.030 | 0.034 | 0.038 | 0.042 | 0.047 | 0.051 |
| 10                                        | 0.007 | 0.012 | 0.017 | 0.022 | 0.027 | 0.033 | 0.038 | 0.044 | 0.050 | 0.056 | 0.062 | 0.068 | 0.074 |
| 12                                        |       | 0.016 | 0.023 | 0.030 | 0.037 | 0.044 | 0.052 | 0.060 | 0.068 | 0.076 | 0.084 | 0.092 | 0.101 |
| 14                                        |       | 0.021 | 0.030 | 0.039 | 0.048 | 0.057 | 0.067 | 0.077 | 0.088 | 0.098 | 0.109 | 0.120 | 0.131 |
| 16                                        |       |       | 0.037 | 0.048 | 0.060 | 0.072 | 0.084 | 0.097 | 0.110 | 0.123 | 0.136 | 0.150 | 0.164 |
| 18                                        |       |       | 0.045 | 0.059 | 0.073 | 0.088 | 0.103 | 0.118 | 0.134 | 0.150 | 0.166 | 0.183 | 0.200 |
| 20                                        |       |       |       | 0.070 | 0.087 | 0.105 | 0.123 | 0.141 | 0.160 | 0.179 | 0.199 | 0.219 | 0.239 |
| 22                                        |       |       |       | 0.083 | 0.103 | 0.123 | 0.144 | 0.166 | 0.188 | 0.211 | 0.234 | 0.257 | 0.280 |
| 24                                        |       |       |       | 0.096 | 0.119 | 0.143 | 0.167 | 0.192 | 0.218 | 0.244 | 0.271 | 0.298 | 0.325 |
| 26                                        |       |       |       |       | 0.136 | 0.164 | 0.192 | 0.220 | 0.250 | 0.279 | 0.310 | 0.341 | 0.372 |
| 28                                        |       |       |       |       | 0.154 | 0.185 | 0.217 | 0.250 | 0.283 | 0.317 | 0.351 | 0.386 | 0.422 |
| 30                                        |       |       |       |       | 0.173 | 0.208 | 0.244 | 0.280 | 0.318 | 0.356 | 0.395 | 0.434 | 0.474 |
| 32                                        |       |       |       |       |       | 0.232 | 0.272 | 0.313 | 0.354 | 0.397 | 0.440 | 0.484 | 0.528 |
| 34                                        |       |       |       |       |       | 0.257 | 0.301 | 0.347 | 0.393 | 0.440 | 0.487 | 0.536 | 0.585 |
| 36                                        |       |       |       |       |       | 0.283 | 0.332 | 0.382 | 0.432 | 0.484 | 0.537 | 0.590 | 0.644 |
| 38                                        |       |       |       |       |       |       | 0.364 | 0.418 | 0.474 | 0.530 | 0.588 | 0.647 | 0.706 |
| 40                                        |       |       |       |       |       |       | 0.397 | 0.456 | 0.517 | 0.578 | 0.641 | 0.705 | 0.770 |

续表55

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                          | 0.017 | 0.018 |       |       |       |       |       |       |       |       |       |       |       |
| 6                                          | 0.034 | 0.037 | 0.039 | 0.042 | 0.045 | 0.048 |       |       |       |       |       |       |       |
| 8                                          | 0.055 | 0.060 | 0.064 | 0.068 | 0.073 | 0.078 | 0.082 | 0.087 | 0.092 |       |       |       |       |
| 10                                         | 0.080 | 0.087 | 0.093 | 0.100 | 0.106 | 0.113 | 0.120 | 0.127 | 0.133 | 0.140 | 0.147 |       |       |
| 12                                         | 0.109 | 0.118 | 0.127 | 0.136 | 0.145 | 0.154 | 0.163 | 0.172 | 0.182 | 0.191 | 0.200 | 0.210 | 0.220 |
| 14                                         | 0.142 | 0.153 | 0.165 | 0.176 | 0.188 | 0.200 | 0.211 | 0.223 | 0.236 | 0.248 | 0.260 | 0.272 | 0.285 |
| 16                                         | 0.178 | 0.192 | 0.206 | 0.221 | 0.235 | 0.250 | 0.265 | 0.280 | 0.295 | 0.310 | 0.326 | 0.341 | 0.357 |
| 18                                         | 0.217 | 0.234 | 0.252 | 0.269 | 0.287 | 0.305 | 0.323 | 0.342 | 0.360 | 0.379 | 0.397 | 0.416 | 0.435 |
| 20                                         | 0.259 | 0.280 | 0.301 | 0.322 | 0.343 | 0.364 | 0.386 | 0.408 | 0.430 | 0.452 | 0.475 | 0.497 | 0.520 |
| 22                                         | 0.304 | 0.329 | 0.353 | 0.378 | 0.403 | 0.428 | 0.454 | 0.479 | 0.505 | 0.531 | 0.558 | 0.584 | 0.611 |
| 24                                         | 0.353 | 0.381 | 0.409 | 0.438 | 0.467 | 0.496 | 0.525 | 0.555 | 0.585 | 0.616 | 0.646 | 0.677 | 0.708 |
| 26                                         | 0.404 | 0.436 | 0.468 | 0.501 | 0.534 | 0.568 | 0.602 | 0.636 | 0.670 | 0.705 | 0.740 | 0.775 | 0.810 |
| 28                                         | 0.457 | 0.494 | 0.531 | 0.568 | 0.605 | 0.643 | 0.682 | 0.720 | 0.759 | 0.799 | 0.838 | 0.878 | 0.918 |
| 30                                         | 0.514 | 0.555 | 0.596 | 0.638 | 0.680 | 0.723 | 0.766 | 0.809 | 0.853 | 0.897 | 0.942 | 0.987 | 1.032 |
| 32                                         | 0.573 | 0.619 | 0.665 | 0.712 | 0.759 | 0.806 | 0.854 | 0.903 | 0.952 | 1.001 | 1.050 | 1.100 | 1.151 |
| 34                                         | 0.635 | 0.686 | 0.737 | 0.788 | 0.840 | 0.893 | 0.946 | 1.000 | 1.054 | 1.109 | 1.164 | 1.219 | 1.275 |
| 36                                         | 0.699 | 0.755 | 0.811 | 0.868 | 0.926 | 0.984 | 1.042 | 1.101 | 1.161 | 1.221 | 1.282 | 1.343 | 1.404 |
| 38                                         | 0.766 | 0.827 | 0.889 | 0.951 | 1.014 | 1.078 | 1.142 | 1.207 | 1.272 | 1.338 | 1.404 | 1.471 | 1.538 |
| 40                                         | 0.836 | 0.902 | 0.969 | 1.037 | 1.106 | 1.175 | 1.245 | 1.316 | 1.387 | 1.459 | 1.531 | 1.604 | 1.678 |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        | 0.229 | 0.239 | 0.249 |       |       |       |       |       |       |       |       |       |       |
| 14                                        | 0.297 | 0.310 | 0.323 | 0.336 | 0.348 | 0.361 |       |       |       |       |       |       |       |
| 16                                        | 0.373 | 0.388 | 0.404 | 0.420 | 0.437 | 0.453 | 0.469 | 0.485 | 0.502 | 0.519 |       |       |       |
| 18                                        | 0.455 | 0.474 | 0.493 | 0.513 | 0.533 | 0.552 | 0.572 | 0.592 | 0.612 | 0.633 | 0.653 | 0.673 | 0.694 |
| 20                                        | 0.543 | 0.566 | 0.589 | 0.613 | 0.636 | 0.660 | 0.684 | 0.708 | 0.732 | 0.756 | 0.780 | 0.805 | 0.829 |
| 22                                        | 0.638 | 0.665 | 0.692 | 0.720 | 0.748 | 0.775 | 0.803 | 0.831 | 0.860 | 0.888 | 0.916 | 0.945 | 0.974 |
| 24                                        | 0.739 | 0.770 | 0.802 | 0.834 | 0.866 | 0.898 | 0.930 | 0.963 | 0.996 | 1.028 | 1.062 | 1.095 | 1.128 |
| 26                                        | 0.846 | 0.882 | 0.918 | 0.955 | 0.991 | 1.028 | 1.065 | 1.102 | 1.140 | 1.177 | 1.215 | 1.253 | 1.291 |
| 28                                        | 0.959 | 1.000 | 1.041 | 1.082 | 1.123 | 1.165 | 1.207 | 1.249 | 1.292 | 1.334 | 1.377 | 1.420 | 1.464 |
| 30                                        | 1.077 | 1.123 | 1.169 | 1.216 | 1.262 | 1.309 | 1.356 | 1.404 | 1.451 | 1.499 | 1.547 | 1.596 | 1.645 |
| 32                                        | 1.201 | 1.253 | 1.304 | 1.356 | 1.408 | 1.460 | 1.512 | 1.565 | 1.619 | 1.672 | 1.726 | 1.780 | 1.834 |
| 34                                        | 1.331 | 1.388 | 1.444 | 1.502 | 1.559 | 1.617 | 1.676 | 1.734 | 1.793 | 1.852 | 1.912 | 1.972 | 2.032 |
| 36                                        | 1.466 | 1.528 | 1.591 | 1.654 | 1.717 | 1.781 | 1.845 | 1.910 | 1.975 | 2.040 | 2.106 | 2.171 | 2.238 |
| 38                                        | 1.606 | 1.674 | 1.743 | 1.812 | 1.882 | 1.952 | 2.022 | 2.093 | 2.164 | 2.235 | 2.307 | 2.379 | 2.452 |
| 40                                        | 1.751 | 1.826 | 1.901 | 1.976 | 2.052 | 2.128 | 2.205 | 2.282 | 2.359 | 2.437 | 2.516 | 2.594 | 2.673 |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    | 51    | 52    | 53    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8                                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 14                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 16                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 18                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 20                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 22                                        | 1.003 | 1.032 | 1.061 | 1.090 | 1.120 | 1.149 | 1.179 | 1.209 |       |       |       |       |       |
| 24                                        | 1.162 | 1.195 | 1.229 | 1.263 | 1.297 | 1.331 | 1.366 | 1.400 |       |       |       |       |       |
| 26                                        | 1.330 | 1.368 | 1.407 | 1.446 | 1.485 | 1.524 | 1.564 | 1.603 | 1.643 | 1.683 | 1.723 |       |       |
| 28                                        | 1.507 | 1.551 | 1.595 | 1.639 | 1.683 | 1.727 | 1.772 | 1.817 | 1.862 | 1.907 | 1.952 | 1.998 | 2.043 |
| 30                                        | 1.693 | 1.742 | 1.792 | 1.841 | 1.891 | 1.941 | 1.991 | 2.041 | 2.092 | 2.143 | 2.193 | 2.245 | 2.296 |
| 32                                        | 1.888 | 1.943 | 1.998 | 2.053 | 2.109 | 2.164 | 2.220 | 2.276 | 2.333 | 2.389 | 2.446 | 2.503 | 2.560 |
| 34                                        | 2.092 | 2.153 | 2.214 | 2.275 | 2.336 | 2.398 | 2.460 | 2.522 | 2.584 | 2.647 | 2.710 | 2.773 | 2.836 |
| 36                                        | 2.304 | 2.371 | 2.438 | 2.505 | 2.573 | 2.641 | 2.709 | 2.778 | 2.846 | 2.915 | 2.985 | 3.054 | 3.124 |
| 38                                        | 2.524 | 2.598 | 2.671 | 2.745 | 2.819 | 2.893 | 2.968 | 3.043 | 3.118 | 3.194 | 3.270 | 3.346 | 3.423 |
| 40                                        | 2.753 | 2.833 | 2.913 | 2.993 | 3.074 | 3.155 | 3.237 | 3.319 | 3.401 | 3.483 | 3.566 | 3.649 | 3.732 |

续表55

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 54    | 55    | 56    | 57    | 58    | 59    | 60    |  |  |  |  |  |  |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| 2                                          |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 4                                          |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 6                                          |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 8                                          |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 10                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 12                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 14                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 16                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 18                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 20                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 22                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 24                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 26                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 28                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 30                                         |       |       |       |       |       |       |       |  |  |  |  |  |  |
| 32                                         | 2.618 | 2.675 | 2.733 | 2.791 |       |       |       |  |  |  |  |  |  |
| 34                                         | 2.900 | 2.964 | 3.028 | 3.092 | 3.156 | 3.221 | 3.286 |  |  |  |  |  |  |
| 36                                         | 3.194 | 3.264 | 3.335 | 3.405 | 3.476 | 3.547 | 3.619 |  |  |  |  |  |  |
| 38                                         | 3.499 | 3.576 | 3.653 | 3.731 | 3.809 | 3.887 | 3.965 |  |  |  |  |  |  |
| 40                                         | 3.816 | 3.900 | 3.984 | 4.069 | 4.153 | 4.238 | 4.324 |  |  |  |  |  |  |

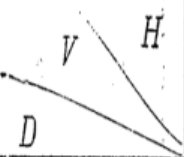
续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.495 | 0.561 | 0.628 | 0.696 | 0.766 | 0.836 | 0.907 | 0.980 | 1.053 | 1.126 | 1.201 | 1.276 | 1.352 |
| 44                                        | 0.536 | 0.607 | 0.680 | 0.753 | 0.828 | 0.904 | 0.982 | 1.060 | 1.139 | 1.218 | 1.299 | 1.381 | 1.463 |
| 46                                        | 0.577 | 0.654 | 0.732 | 0.812 | 0.893 | 0.975 | 1.058 | 1.142 | 1.227 | 1.313 | 1.400 | 1.488 | 1.577 |
| 48                                        | 0.620 | 0.703 | 0.787 | 0.873 | 0.959 | 1.048 | 1.137 | 1.227 | 1.319 | 1.411 | 1.505 | 1.599 | 1.694 |
| 50                                        |       | 0.753 | 0.843 | 0.935 | 1.028 | 1.122 | 1.218 | 1.315 | 1.413 | 1.512 | 1.612 | 1.713 | 1.815 |
| 52                                        |       | 0.805 | 0.901 | 0.999 | 1.098 | 1.199 | 1.302 | 1.405 | 1.510 | 1.616 | 1.723 | 1.831 | 1.940 |
| 54                                        |       | 0.858 | 0.960 | 1.065 | 1.171 | 1.278 | 1.387 | 1.497 | 1.609 | 1.722 | 1.836 | 1.951 | 2.067 |
| 56                                        |       | 0.912 | 1.021 | 1.132 | 1.245 | 1.359 | 1.475 | 1.592 | 1.711 | 1.831 | 1.952 | 2.075 | 2.198 |
| 58                                        |       |       | 1.084 | 1.201 | 1.321 | 1.442 | 1.565 | 1.690 | 1.816 | 1.943 | 2.071 | 2.201 | 2.332 |
| 60                                        |       |       | 1.147 | 1.272 | 1.399 | 1.527 | 1.657 | 1.789 | 1.923 | 2.057 | 2.194 | 2.331 | 2.470 |
| 62                                        |       |       | 1.213 | 1.345 | 1.478 | 1.614 | 1.752 | 1.891 | 2.032 | 2.174 | 2.318 | 2.464 | 2.611 |
| 64                                        |       |       | 1.280 | 1.419 | 1.560 | 1.703 | 1.848 | 1.995 | 2.144 | 2.294 | 2.446 | 2.600 | 2.754 |
| 66                                        |       |       |       | 1.494 | 1.643 | 1.794 | 1.947 | 2.102 | 2.258 | 2.417 | 2.577 | 2.738 | 2.901 |
| 68                                        |       |       |       | 1.572 | 1.728 | 1.887 | 2.048 | 2.210 | 2.375 | 2.542 | 2.710 | 2.880 | 3.051 |
| 70                                        |       |       |       | 1.650 | 1.815 | 1.981 | 2.150 | 2.321 | 2.494 | 2.669 | 2.846 | 3.024 | 3.204 |
| 72                                        |       |       |       | 1.731 | 1.903 | 2.078 | 2.255 | 2.434 | 2.616 | 2.799 | 2.985 | 3.172 | 3.361 |
| 74                                        |       |       |       |       | 1.993 | 2.176 | 2.362 | 2.550 | 2.740 | 2.932 | 3.126 | 3.322 | 3.520 |
| 76                                        |       |       |       |       | 2.085 | 2.277 | 2.471 | 2.667 | 2.866 | 3.067 | 3.270 | 3.475 | 3.682 |
| 78                                        |       |       |       |       | 2.179 | 2.379 | 2.582 | 2.787 | 2.995 | 3.204 | 3.417 | 3.631 | 3.847 |
| 80                                        |       |       |       |       | 2.274 | 2.483 | 2.694 | 2.909 | 3.125 | 3.344 | 3.566 | 3.790 | 4.015 |

续表 55

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                         | 1.429 | 1.506 | 1.584 | 1.663 | 1.742 | 1.822 | 1.902 | 1.983 | 2.064 | 2.146 | 2.228 | 2.311 | 2.394 |
| 44                                         | 1.546 | 1.629 | 1.714 | 1.799 | 1.884 | 1.971 | 2.057 | 2.145 | 2.233 | 2.321 | 2.410 | 2.500 | 2.590 |
| 46                                         | 1.666 | 1.756 | 1.847 | 1.939 | 2.031 | 2.124 | 2.218 | 2.312 | 2.407 | 2.502 | 2.598 | 2.695 | 2.792 |
| 48                                         | 1.790 | 1.887 | 1.985 | 2.083 | 2.183 | 2.282 | 2.383 | 2.484 | 2.586 | 2.689 | 2.792 | 2.896 | 3.000 |
| 50                                         | 1.918 | 2.022 | 2.127 | 2.232 | 2.338 | 2.445 | 2.553 | 2.662 | 2.771 | 2.881 | 2.991 | 3.102 | 3.214 |
| 52                                         | 2.050 | 2.161 | 2.272 | 2.385 | 2.499 | 2.613 | 2.728 | 2.844 | 2.961 | 3.078 | 3.196 | 3.315 | 3.434 |
| 54                                         | 2.184 | 2.303 | 2.422 | 2.542 | 2.663 | 2.785 | 2.908 | 3.031 | 3.155 | 3.281 | 3.406 | 3.533 | 3.660 |
| 56                                         | 2.323 | 2.449 | 2.575 | 2.703 | 2.832 | 2.961 | 3.092 | 3.223 | 3.355 | 3.488 | 3.622 | 3.757 | 3.892 |
| 58                                         | 2.465 | 2.598 | 2.733 | 2.868 | 3.005 | 3.142 | 3.281 | 3.420 | 3.560 | 3.701 | 3.843 | 3.986 | 4.130 |
| 60                                         | 2.610 | 2.751 | 2.894 | 3.037 | 3.182 | 3.327 | 3.474 | 3.622 | 3.770 | 3.920 | 4.070 | 4.221 | 4.373 |
| 62                                         | 2.759 | 2.908 | 3.058 | 3.210 | 3.363 | 3.517 | 3.672 | 3.828 | 3.985 | 4.143 | 4.302 | 4.461 | 4.622 |
| 64                                         | 2.911 | 3.068 | 3.227 | 3.387 | 3.548 | 3.711 | 3.874 | 4.039 | 4.204 | 4.371 | 4.539 | 4.707 | 4.877 |
| 66                                         | 3.066 | 3.232 | 3.399 | 3.568 | 3.737 | 3.908 | 4.081 | 4.254 | 4.429 | 4.604 | 4.781 | 4.958 | 5.137 |
| 68                                         | 3.224 | 3.399 | 3.575 | 3.752 | 3.931 | 4.111 | 4.292 | 4.474 | 4.658 | 4.842 | 5.028 | 5.215 | 5.403 |
| 70                                         | 3.386 | 3.569 | 3.754 | 3.940 | 4.128 | 4.317 | 4.507 | 4.699 | 4.891 | 5.085 | 5.280 | 5.477 | 5.674 |
| 72                                         | 3.551 | 3.743 | 3.937 | 4.132 | 4.329 | 4.527 | 4.727 | 4.928 | 5.130 | 5.333 | 5.538 | 5.743 | 5.950 |
| 74                                         | 3.719 | 3.921 | 4.124 | 4.328 | 4.534 | 4.742 | 4.951 | 5.161 | 5.373 | 5.586 | 5.800 | 6.015 | 6.232 |
| 76                                         | 3.891 | 4.101 | 4.314 | 4.528 | 4.743 | 4.960 | 5.179 | 5.399 | 5.620 | 5.843 | 6.067 | 6.293 | 6.519 |
| 78                                         | 4.065 | 4.285 | 4.507 | 4.731 | 4.956 | 5.183 | 5.411 | 5.641 | 5.872 | 6.105 | 6.339 | 6.575 | 6.812 |
| 80                                         | 4.243 | 4.473 | 4.704 | 4.937 | 5.172 | 5.409 | 5.647 | 5.887 | 6.129 | 6.372 | 6.616 | 6.862 | 7.109 |

续表55

|  | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46     | 47     |
|----------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 42                                                                               | 2.478 | 2.562 | 2.647 | 2.732 | 2.817 | 2.903 | 2.989 | 3.076 | 3.163 | 3.250 | 3.338 | 3.426  | 3.515  |
| 44                                                                               | 2.680 | 2.772 | 2.863 | 2.955 | 3.047 | 3.140 | 3.234 | 3.327 | 3.422 | 3.516 | 3.611 | 3.706  | 3.802  |
| 46                                                                               | 2.889 | 2.988 | 3.086 | 3.185 | 3.285 | 3.385 | 3.486 | 3.587 | 3.688 | 3.790 | 3.893 | 3.995  | 4.099  |
| 48                                                                               | 3.105 | 3.210 | 3.316 | 3.423 | 3.530 | 3.637 | 3.746 | 3.854 | 3.963 | 4.073 | 4.183 | 4.293  | 4.404  |
| 50                                                                               | 3.326 | 3.439 | 3.553 | 3.667 | 3.782 | 3.897 | 4.013 | 4.129 | 4.246 | 4.363 | 4.481 | 4.600  | 4.718  |
| 52                                                                               | 3.554 | 3.675 | 3.796 | 3.918 | 4.041 | 4.164 | 4.288 | 4.412 | 4.537 | 4.662 | 4.788 | 4.915  | 5.042  |
| 54                                                                               | 3.788 | 3.917 | 4.046 | 4.176 | 4.307 | 4.438 | 4.570 | 4.702 | 4.836 | 4.969 | 5.103 | 5.238  | 5.373  |
| 56                                                                               | 4.028 | 4.165 | 4.303 | 4.441 | 4.580 | 4.719 | 4.860 | 5.000 | 5.142 | 5.284 | 5.427 | 5.570  | 5.714  |
| 58                                                                               | 4.274 | 4.419 | 4.565 | 4.712 | 4.859 | 5.007 | 5.156 | 5.306 | 5.456 | 5.607 | 5.758 | 5.910  | 6.063  |
| 60                                                                               | 4.526 | 4.680 | 4.834 | 4.990 | 5.146 | 5.303 | 5.460 | 5.618 | 5.777 | 5.937 | 6.097 | 6.258  | 6.420  |
| 62                                                                               | 4.784 | 4.946 | 5.110 | 5.274 | 5.439 | 5.605 | 5.771 | 5.938 | 6.106 | 6.275 | 6.445 | 6.615  | 6.786  |
| 64                                                                               | 5.047 | 5.219 | 5.391 | 5.564 | 5.738 | 5.913 | 6.089 | 6.265 | 6.443 | 6.621 | 6.800 | 6.979  | 7.159  |
| 66                                                                               | 5.317 | 5.497 | 5.679 | 5.861 | 6.045 | 6.229 | 6.414 | 6.600 | 6.786 | 6.974 | 7.162 | 7.351  | 7.541  |
| 68                                                                               | 5.592 | 5.782 | 5.972 | 6.164 | 6.357 | 6.551 | 6.746 | 6.941 | 7.137 | 7.335 | 7.533 | 7.732  | 7.931  |
| 70                                                                               | 5.872 | 6.072 | 6.272 | 6.474 | 6.676 | 6.880 | 7.084 | 7.289 | 7.496 | 7.703 | 7.911 | 8.120  | 8.329  |
| 72                                                                               | 6.158 | 6.368 | 6.578 | 6.789 | 7.002 | 7.215 | 7.429 | 7.645 | 7.861 | 8.078 | 8.296 | 8.515  | 8.735  |
| 74                                                                               | 6.450 | 6.669 | 6.889 | 7.111 | 7.333 | 7.557 | 7.781 | 8.007 | 8.233 | 8.461 | 8.689 | 8.919  | 9.149  |
| 76                                                                               | 6.747 | 6.976 | 7.207 | 7.438 | 7.671 | 7.905 | 8.140 | 8.376 | 8.613 | 8.851 | 9.090 | 9.330  | 9.570  |
| 78                                                                               | 7.050 | 7.289 | 7.530 | 7.772 | 8.015 | 8.259 | 8.505 | 8.751 | 8.999 | 9.247 | 9.497 | 9.748  | 10.000 |
| 80                                                                               | 7.358 | 7.608 | 7.859 | 8.112 | 8.365 | 8.620 | 8.876 | 9.134 | 9.392 | 9.652 | 9.912 | 10.174 | 10.437 |



续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     | 57     | 58     | 59     | 60     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 42                                        | 3.604  | 3.693  | 3.782  | 3.872  | 3.962  | 4.053  | 4.144  | 4.235  | 4.326  | 4.413  | 4.510  | 4.602  | 4.695  |
| 44                                        | 3.898  | 3.995  | 4.091  | 4.189  | 4.286  | 4.384  | 4.482  | 4.581  | 4.680  | 4.779  | 4.879  | 4.979  | 5.079  |
| 46                                        | 4.202  | 4.306  | 4.411  | 4.515  | 4.620  | 4.726  | 4.832  | 4.938  | 5.045  | 5.152  | 5.259  | 5.367  | 5.475  |
| 48                                        | 4.515  | 4.627  | 4.739  | 4.852  | 4.965  | 5.078  | 5.192  | 5.306  | 5.421  | 5.536  | 5.651  | 5.767  | 5.883  |
| 50                                        | 4.838  | 4.957  | 5.078  | 5.193  | 5.319  | 5.441  | 5.563  | 5.685  | 5.808  | 5.931  | 6.055  | 6.179  | 6.303  |
| 52                                        | 5.169  | 5.297  | 5.425  | 5.554  | 5.684  | 5.813  | 5.944  | 6.074  | 6.206  | 6.337  | 6.469  | 6.602  | 6.735  |
| 54                                        | 5.509  | 5.646  | 5.782  | 5.920  | 6.058  | 6.196  | 6.335  | 6.474  | 6.614  | 6.754  | 6.895  | 7.036  | 7.178  |
| 56                                        | 5.858  | 6.003  | 6.149  | 6.295  | 6.441  | 6.589  | 6.736  | 6.884  | 7.033  | 7.182  | 7.332  | 7.482  | 7.633  |
| 58                                        | 6.216  | 6.370  | 6.524  | 6.679  | 6.835  | 6.991  | 7.148  | 7.305  | 7.462  | 7.621  | 7.780  | 7.939  | 8.099  |
| 60                                        | 6.582  | 6.745  | 6.909  | 7.073  | 7.238  | 7.403  | 7.569  | 7.735  | 7.902  | 8.070  | 8.238  | 8.407  | 8.576  |
| 62                                        | 6.957  | 7.129  | 7.302  | 7.476  | 7.650  | 7.824  | 8.000  | 8.176  | 8.352  | 8.529  | 8.707  | 8.885  | 9.064  |
| 64                                        | 7.340  | 7.522  | 7.704  | 7.887  | 8.071  | 8.255  | 8.440  | 8.626  | 8.812  | 8.999  | 9.187  | 9.375  | 9.564  |
| 66                                        | 7.732  | 7.923  | 8.115  | 8.308  | 8.502  | 8.696  | 8.891  | 9.086  | 9.283  | 9.479  | 9.677  | 9.875  | 10.074 |
| 68                                        | 8.132  | 8.333  | 8.535  | 8.738  | 8.941  | 9.146  | 9.351  | 9.556  | 9.763  | 9.970  | 10.177 | 10.386 | 10.595 |
| 70                                        | 8.540  | 8.751  | 8.963  | 9.176  | 9.390  | 9.605  | 9.820  | 10.036 | 10.252 | 10.470 | 10.688 | 10.907 | 11.126 |
| 72                                        | 8.956  | 9.178  | 9.400  | 9.624  | 9.848  | 10.073 | 10.298 | 10.525 | 10.752 | 10.980 | 11.209 | 11.438 | 11.669 |
| 74                                        | 9.380  | 9.612  | 9.845  | 10.079 | 10.314 | 10.550 | 10.786 | 11.023 | 11.261 | 11.500 | 11.740 | 11.980 | 12.221 |
| 76                                        | 9.812  | 10.055 | 10.299 | 10.544 | 10.789 | 11.036 | 11.283 | 11.531 | 11.780 | 12.030 | 12.281 | 12.532 | 12.784 |
| 78                                        | 10.253 | 10.506 | 10.761 | 11.017 | 11.273 | 11.531 | 11.789 | 12.048 | 12.309 | 12.570 | 12.832 | 13.094 | 13.358 |
| 80                                        | 10.700 | 10.965 | 11.231 | 11.498 | 11.766 | 12.034 | 12.304 | 12.575 | 12.846 | 13.119 | 13.392 | 13.666 | 13.941 |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26     | 27     |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 82                                        | 2.809 | 3.032 | 3.258 | 3.487 | 3.718 | 3.951 | 4.186 | 4.424 | 4.663 | 4.904 | 5.148 | 5.393  | 5.639  |
| 84                                        | 2.926 | 3.158 | 3.394 | 3.632 | 3.872 | 4.115 | 4.360 | 4.607 | 4.857 | 5.108 | 5.361 | 5.617  | 5.874  |
| 86                                        | 3.044 | 3.286 | 3.531 | 3.779 | 4.029 | 4.282 | 4.537 | 4.794 | 5.054 | 5.315 | 5.579 | 5.844  | 6.112  |
| 88                                        | 3.165 | 3.417 | 3.671 | 3.929 | 4.189 | 4.451 | 4.717 | 4.984 | 5.254 | 5.526 | 5.800 | 6.076  | 6.354  |
| 90                                        | 3.287 | 3.549 | 3.813 | 4.081 | 4.351 | 4.624 | 4.899 | 5.177 | 5.457 | 5.739 | 6.024 | 6.311  | 6.600  |
| 92                                        | 3.412 | 3.683 | 3.957 | 4.235 | 4.515 | 4.799 | 5.084 | 5.373 | 5.663 | 5.957 | 6.252 | 6.550  | 6.849  |
| 94                                        | 3.538 | 3.819 | 4.104 | 4.392 | 4.682 | 4.976 | 5.272 | 5.571 | 5.873 | 6.177 | 6.483 | 6.792  | 7.103  |
| 96                                        | 3.666 | 3.957 | 4.252 | 4.551 | 4.852 | 5.156 | 5.463 | 5.773 | 6.085 | 6.400 | 6.718 | 7.038  | 7.360  |
| 98                                        | 3.796 | 4.098 | 4.403 | 4.712 | 5.024 | 5.339 | 5.657 | 5.978 | 6.301 | 6.627 | 6.956 | 7.287  | 7.621  |
| 100                                       | 3.928 | 4.240 | 4.556 | 4.875 | 5.198 | 5.524 | 5.853 | 6.185 | 6.520 | 6.857 | 7.197 | 7.540  | 7.885  |
| 102                                       |       | 4.384 | 4.711 | 5.041 | 5.375 | 5.712 | 6.052 | 6.396 | 6.742 | 7.091 | 7.442 | 7.797  | 8.153  |
| 104                                       |       | 4.530 | 4.868 | 5.209 | 5.554 | 5.903 | 6.254 | 6.609 | 6.966 | 7.327 | 7.690 | 8.056  | 8.425  |
| 106                                       |       | 4.679 | 5.027 | 5.380 | 5.736 | 6.096 | 6.459 | 6.825 | 7.194 | 7.567 | 7.942 | 8.320  | 8.701  |
| 108                                       |       | 4.829 | 5.188 | 5.552 | 5.920 | 6.291 | 6.666 | 7.044 | 7.425 | 7.809 | 8.197 | 8.587  | 8.980  |
| 110                                       |       | 4.981 | 5.352 | 5.727 | 6.106 | 6.489 | 6.876 | 7.265 | 7.659 | 8.055 | 8.455 | 8.857  | 9.262  |
| 112                                       |       |       | 5.517 | 5.904 | 6.295 | 6.690 | 7.088 | 7.490 | 7.895 | 8.304 | 8.716 | 9.131  | 9.549  |
| 114                                       |       |       | 5.685 | 6.083 | 6.486 | 6.893 | 7.303 | 7.717 | 8.135 | 8.556 | 8.980 | 9.408  | 9.838  |
| 116                                       |       |       | 5.854 | 6.265 | 6.679 | 7.098 | 7.521 | 7.947 | 8.377 | 8.811 | 9.248 | 9.688  | 10.132 |
| 118                                       |       |       | 6.026 | 6.448 | 6.875 | 7.306 | 7.741 | 8.180 | 8.623 | 9.069 | 9.519 | 9.972  | 10.428 |
| 120                                       |       |       | 6.199 | 6.634 | 7.073 | 7.516 | 7.964 | 8.416 | 8.871 | 9.330 | 9.793 | 10.259 | 10.729 |

续表55

| $\begin{array}{c} V \\ H \\ D \end{array}$ | 28     | 29     | 30     | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                         | 5.888  | 6.138  | 6.390  | 6.643  | 6.898  | 7.154  | 7.412  | 7.671  | 7.932  | 8.194  | 8.457  | 8.722  | 8.987  |
| 84                                         | 6.133  | 6.393  | 6.655  | 6.919  | 7.185  | 7.452  | 7.720  | 7.990  | 8.261  | 8.534  | 8.808  | 9.084  | 9.361  |
| 86                                         | 6.381  | 6.652  | 6.925  | 7.200  | 7.476  | 7.754  | 8.033  | 8.314  | 8.596  | 8.880  | 9.165  | 9.452  | 9.740  |
| 88                                         | 6.634  | 6.916  | 7.199  | 7.485  | 7.772  | 8.061  | 8.351  | 8.643  | 8.937  | 9.232  | 9.528  | 9.826  | 10.126 |
| 90                                         | 6.890  | 7.183  | 7.478  | 7.774  | 8.073  | 8.372  | 8.674  | 8.977  | 9.282  | 9.589  | 9.897  | 10.207 | 10.518 |
| 92                                         | 7.151  | 7.455  | 7.761  | 8.068  | 8.378  | 8.689  | 9.002  | 9.317  | 9.633  | 9.952  | 10.271 | 10.593 | 10.915 |
| 94                                         | 7.416  | 7.731  | 8.048  | 8.367  | 8.688  | 9.011  | 9.335  | 9.662  | 9.990  | 10.320 | 10.651 | 10.984 | 11.319 |
| 96                                         | 7.684  | 8.011  | 8.339  | 8.670  | 9.002  | 9.337  | 9.673  | 10.011 | 10.351 | 10.693 | 11.037 | 11.382 | 11.729 |
| 98                                         | 7.956  | 8.294  | 8.635  | 8.977  | 9.321  | 9.668  | 10.016 | 10.366 | 10.718 | 11.072 | 11.428 | 11.785 | 12.145 |
| 100                                        | 8.233  | 8.582  | 8.934  | 9.289  | 9.645  | 10.003 | 10.364 | 10.726 | 11.090 | 11.457 | 11.825 | 12.195 | 12.566 |
| 102                                        | 8.513  | 8.874  | 9.238  | 9.604  | 9.973  | 10.344 | 10.716 | 11.091 | 11.468 | 11.846 | 12.227 | 12.609 | 12.994 |
| 104                                        | 8.796  | 9.170  | 9.546  | 9.925  | 10.305 | 10.688 | 11.073 | 11.461 | 11.850 | 12.241 | 12.635 | 13.030 | 13.427 |
| 106                                        | 9.084  | 9.470  | 9.858  | 10.249 | 10.642 | 11.038 | 11.436 | 11.835 | 12.237 | 12.642 | 13.048 | 13.456 | 13.866 |
| 108                                        | 9.375  | 9.774  | 10.175 | 10.578 | 10.984 | 11.392 | 11.802 | 12.215 | 12.630 | 13.047 | 13.466 | 13.887 | 14.311 |
| 110                                        | 9.671  | 10.081 | 10.495 | 10.911 | 11.329 | 11.750 | 12.174 | 12.600 | 13.028 | 13.458 | 13.890 | 14.324 | 14.761 |
| 112                                        | 9.969  | 10.393 | 10.819 | 11.248 | 11.680 | 12.114 | 12.550 | 12.989 | 13.430 | 13.874 | 14.319 | 14.767 | 15.217 |
| 114                                        | 10.272 | 10.708 | 11.148 | 11.589 | 12.034 | 12.481 | 12.931 | 13.383 | 13.838 | 14.295 | 14.754 | 15.215 | 15.679 |
| 116                                        | 10.578 | 11.028 | 11.480 | 11.935 | 12.393 | 12.853 | 13.316 | 13.782 | 14.250 | 14.721 | 15.194 | 15.669 | 16.146 |
| 118                                        | 10.888 | 11.351 | 11.816 | 12.285 | 12.756 | 13.230 | 13.707 | 14.186 | 14.668 | 15.152 | 15.639 | 16.128 | 16.619 |
| 120                                        | 11.201 | 11.677 | 12.156 | 12.638 | 13.123 | 13.611 | 14.101 | 14.594 | 15.090 | 15.588 | 16.089 | 16.592 | 17.098 |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 41     | 42     | 43     | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82                                        | 9.254  | 9.523  | 9.792  | 10.063 | 10.334 | 10.607 | 10.881 | 11.156 | 11.432 | 11.709 | 11.988 | 12.267 | 12.547 |
| 84                                        | 9.639  | 9.918  | 10.199 | 10.481 | 10.764 | 11.048 | 11.333 | 11.620 | 11.907 | 12.196 | 12.486 | 12.776 | 13.068 |
| 86                                        | 10.030 | 10.320 | 10.612 | 10.906 | 11.200 | 11.496 | 11.793 | 12.091 | 12.390 | 12.690 | 12.992 | 13.294 | 13.598 |
| 88                                        | 10.427 | 10.729 | 11.032 | 11.337 | 11.643 | 11.951 | 12.260 | 12.569 | 12.881 | 13.193 | 13.506 | 13.821 | 14.137 |
| 90                                        | 10.830 | 11.144 | 11.459 | 11.776 | 12.094 | 12.413 | 12.734 | 13.056 | 13.379 | 13.703 | 14.029 | 14.355 | 14.683 |
| 92                                        | 11.240 | 11.565 | 11.893 | 12.221 | 12.551 | 12.883 | 13.215 | 13.550 | 13.885 | 14.221 | 14.559 | 14.898 | 15.239 |
| 94                                        | 11.655 | 11.993 | 12.333 | 12.673 | 13.016 | 13.359 | 13.704 | 14.051 | 14.398 | 14.748 | 15.098 | 15.450 | 15.802 |
| 96                                        | 12.077 | 12.427 | 12.779 | 13.132 | 13.487 | 13.843 | 14.200 | 14.559 | 14.920 | 15.281 | 15.644 | 16.009 | 16.375 |
| 98                                        | 12.505 | 12.868 | 13.232 | 13.598 | 13.965 | 14.333 | 14.704 | 15.075 | 15.448 | 15.823 | 16.199 | 16.576 | 16.955 |
| 100                                       | 12.940 | 13.315 | 13.691 | 14.070 | 14.450 | 14.831 | 15.214 | 15.599 | 15.985 | 16.372 | 16.761 | 17.152 | 17.543 |
| 102                                       | 13.380 | 13.767 | 14.157 | 14.548 | 14.941 | 15.335 | 15.732 | 16.129 | 16.528 | 16.929 | 17.331 | 17.735 | 18.140 |
| 104                                       | 13.826 | 14.226 | 14.629 | 15.033 | 15.439 | 15.847 | 16.256 | 16.667 | 17.080 | 17.494 | 17.909 | 18.326 | 18.745 |
| 106                                       | 14.278 | 14.692 | 15.107 | 15.525 | 15.944 | 16.365 | 16.788 | 17.212 | 17.638 | 18.066 | 18.495 | 18.926 | 19.358 |
| 108                                       | 14.736 | 15.163 | 15.592 | 16.023 | 16.455 | 16.890 | 17.326 | 17.764 | 18.204 | 18.645 | 19.088 | 19.533 | 19.979 |
| 110                                       | 15.200 | 15.640 | 16.083 | 16.527 | 16.973 | 17.422 | 17.871 | 18.323 | 18.777 | 19.232 | 19.689 | 20.147 | 20.603 |
| 112                                       | 15.669 | 16.123 | 16.580 | 17.038 | 17.498 | 17.960 | 18.424 | 18.889 | 19.357 | 19.826 | 20.297 | 20.770 | 21.244 |
| 114                                       | 16.145 | 16.613 | 17.083 | 17.555 | 18.029 | 18.505 | 18.983 | 19.463 | 19.944 | 20.428 | 20.913 | 21.400 | 21.889 |
| 116                                       | 16.626 | 17.108 | 17.592 | 18.078 | 18.566 | 19.057 | 19.549 | 20.043 | 20.539 | 21.037 | 21.537 | 22.038 | 22.542 |
| 118                                       | 17.113 | 17.609 | 18.107 | 18.608 | 19.110 | 19.615 | 20.121 | 20.630 | 21.141 | 21.653 | 22.168 | 22.684 | 23.202 |
| 120                                       | 17.606 | 18.116 | 18.629 | 19.144 | 19.661 | 20.180 | 20.701 | 21.224 | 21.749 | 22.277 | 22.806 | 23.337 | 23.870 |

续表55

| $\begin{matrix} V & H \\ D \end{matrix}$ | 54     | 55     | 56     | 57     | 58     | 59     | 60     |  |  |  |  |  |  |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| 82                                       | 12.828 | 13.110 | 13.393 | 13.678 | 13.963 | 14.248 | 14.535 |  |  |  |  |  |  |
| 84                                       | 13.361 | 13.655 | 13.950 | 14.246 | 14.543 | 14.840 | 15.139 |  |  |  |  |  |  |
| 86                                       | 13.903 | 14.209 | 14.515 | 14.823 | 15.132 | 15.442 | 15.753 |  |  |  |  |  |  |
| 88                                       | 14.453 | 14.771 | 15.090 | 15.410 | 15.731 | 16.053 | 16.377 |  |  |  |  |  |  |
| 90                                       | 15.012 | 15.343 | 15.674 | 16.006 | 16.340 | 16.674 | 17.010 |  |  |  |  |  |  |
| 92                                       | 15.580 | 15.923 | 16.267 | 16.612 | 16.958 | 17.305 | 17.653 |  |  |  |  |  |  |
| 94                                       | 16.157 | 16.512 | 16.869 | 17.226 | 17.585 | 17.945 | 18.306 |  |  |  |  |  |  |
| 96                                       | 16.741 | 17.110 | 17.479 | 17.850 | 18.222 | 18.595 | 18.969 |  |  |  |  |  |  |
| 98                                       | 17.335 | 17.716 | 18.099 | 18.483 | 18.868 | 19.254 | 19.641 |  |  |  |  |  |  |
| 100                                      | 17.937 | 18.331 | 18.727 | 19.124 | 19.523 | 19.922 | 20.323 |  |  |  |  |  |  |
| 102                                      | 18.547 | 18.955 | 19.364 | 19.775 | 20.187 | 20.600 | 21.015 |  |  |  |  |  |  |
| 104                                      | 19.165 | 19.587 | 20.010 | 20.434 | 20.860 | 21.287 | 21.715 |  |  |  |  |  |  |
| 106                                      | 19.792 | 20.227 | 20.664 | 21.102 | 21.542 | 21.983 | 22.425 |  |  |  |  |  |  |
| 108                                      | 20.426 | 20.876 | 21.327 | 21.779 | 22.233 | 22.688 | 23.145 |  |  |  |  |  |  |
| 110                                      | 21.069 | 21.533 | 21.998 | 22.464 | 22.932 | 23.402 | 23.873 |  |  |  |  |  |  |
| 112                                      | 21.721 | 22.198 | 22.678 | 23.159 | 23.641 | 24.125 | 24.611 |  |  |  |  |  |  |
| 114                                      | 22.380 | 22.872 | 23.366 | 23.861 | 24.359 | 24.857 | 25.358 |  |  |  |  |  |  |
| 116                                      | 23.047 | 23.554 | 24.062 | 24.573 | 25.085 | 25.598 | 26.114 |  |  |  |  |  |  |
| 118                                      | 23.722 | 24.244 | 24.767 | 25.293 | 25.820 | 26.348 | 26.879 |  |  |  |  |  |  |
| 120                                      | 24.405 | 24.942 | 25.480 | 26.021 | 26.563 | 27.107 | 27.653 |  |  |  |  |  |  |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 18    | 19    | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     |
|-------------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 6.822 | 7.273 | 7.729  | 8.190  | 8.654  | 9.122  | 9.594  | 10.070 | 10.550 | 11.032 | 11.519 | 12.008 | 12.501 |
| 124                                       | 7.011 | 7.476 | 7.944  | 8.418  | 8.895  | 9.376  | 9.862  | 10.351 | 10.843 | 11.340 | 11.839 | 12.342 | 12.849 |
| 126                                       | 7.204 | 7.680 | 8.162  | 8.648  | 9.139  | 9.633  | 10.132 | 10.634 | 11.140 | 11.650 | 12.164 | 12.680 | 13.201 |
| 128                                       | 7.398 | 7.888 | 8.382  | 8.881  | 9.385  | 9.893  | 10.405 | 10.921 | 11.441 | 11.964 | 12.492 | 13.022 | 13.556 |
| 130                                       | 7.594 | 8.097 | 8.605  | 9.117  | 9.634  | 10.155 | 10.681 | 11.211 | 11.744 | 12.282 | 12.823 | 13.368 | 13.916 |
| 132                                       |       | 8.308 | 8.829  | 9.355  | 9.886  | 10.421 | 10.960 | 11.504 | 12.051 | 12.603 | 13.158 | 13.717 | 14.280 |
| 134                                       |       | 8.522 | 9.056  | 9.596  | 10.140 | 10.689 | 11.242 | 11.799 | 12.361 | 12.927 | 13.497 | 14.070 | 14.647 |
| 136                                       |       | 8.738 | 9.286  | 9.839  | 10.397 | 10.960 | 11.527 | 12.098 | 12.674 | 13.254 | 13.838 | 14.426 | 15.018 |
| 138                                       |       | 8.956 | 9.518  | 10.085 | 10.656 | 11.233 | 11.815 | 12.401 | 12.991 | 13.585 | 14.184 | 14.787 | 15.393 |
| 140                                       |       | 9.176 | 9.752  | 10.333 | 10.919 | 11.510 | 12.105 | 12.706 | 13.310 | 13.920 | 14.533 | 15.150 | 15.772 |
| 142                                       |       |       | 9.988  | 10.583 | 11.183 | 11.789 | 12.399 | 13.014 | 13.633 | 14.257 | 14.885 | 15.518 | 16.154 |
| 144                                       |       |       | 10.227 | 10.836 | 11.451 | 12.070 | 12.695 | 13.325 | 13.959 | 14.598 | 15.241 | 15.889 | 16.540 |
| 146                                       |       |       | 10.468 | 11.092 | 11.721 | 12.355 | 12.994 | 13.639 | 14.288 | 14.942 | 15.600 | 16.263 | 16.930 |
| 148                                       |       |       | 10.712 | 11.349 | 11.993 | 12.642 | 13.296 | 13.956 | 14.620 | 15.289 | 15.963 | 16.641 | 17.324 |
| 150                                       |       |       | 10.957 | 11.610 | 12.268 | 12.932 | 13.601 | 14.276 | 14.955 | 15.640 | 16.329 | 17.023 | 17.721 |
| 152                                       |       |       |        | 11.872 | 12.546 | 13.225 | 13.909 | 14.599 | 15.294 | 15.994 | 16.699 | 17.408 | 18.122 |
| 154                                       |       |       |        | 12.137 | 12.826 | 13.520 | 14.220 | 14.925 | 15.635 | 16.351 | 17.071 | 17.797 | 18.527 |
| 156                                       |       |       |        | 12.405 | 13.108 | 13.818 | 14.533 | 15.254 | 15.980 | 16.711 | 17.447 | 18.189 | 18.935 |
| 158                                       |       |       |        | 12.675 | 13.393 | 14.118 | 14.849 | 15.585 | 16.327 | 17.075 | 17.827 | 18.584 | 19.347 |
| 160                                       |       |       |        | 12.947 | 13.681 | 14.421 | 15.168 | 15.920 | 16.678 | 17.441 | 18.210 | 18.983 | 19.762 |

续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 31     | 32     | 33     | 34     | 35     | 36     | 37     | 38     | 39     | 40     | 41     | 42     | 43     |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                                       | 12.996 | 13.495 | 13.996 | 14.500 | 15.007 | 15.517 | 16.030 | 16.545 | 17.062 | 17.582 | 18.104 | 18.629 | 19.156 |
| 124                                       | 13.358 | 13.870 | 14.386 | 14.904 | 15.425 | 15.949 | 16.476 | 17.005 | 17.537 | 18.072 | 18.609 | 19.148 | 19.690 |
| 126                                       | 13.724 | 14.250 | 14.780 | 15.312 | 15.848 | 16.386 | 16.927 | 17.471 | 18.018 | 18.567 | 19.118 | 19.672 | 20.229 |
| 128                                       | 14.094 | 14.635 | 15.178 | 15.725 | 16.275 | 16.828 | 17.384 | 17.942 | 18.503 | 19.067 | 19.634 | 20.203 | 20.774 |
| 130                                       | 14.468 | 15.023 | 15.581 | 16.142 | 16.707 | 17.274 | 17.845 | 18.418 | 18.994 | 19.573 | 20.155 | 20.739 | 21.326 |
| 132                                       | 14.846 | 15.415 | 15.988 | 16.564 | 17.143 | 17.726 | 18.311 | 18.899 | 19.490 | 20.084 | 20.681 | 21.280 | 21.883 |
| 134                                       | 15.228 | 15.812 | 16.399 | 16.990 | 17.584 | 18.182 | 18.782 | 19.385 | 19.992 | 20.601 | 21.213 | 21.828 | 22.446 |
| 136                                       | 15.614 | 16.212 | 16.815 | 17.421 | 18.030 | 18.642 | 19.258 | 19.877 | 20.498 | 21.123 | 21.751 | 22.381 | 23.014 |
| 138                                       | 16.003 | 16.617 | 17.235 | 17.856 | 18.480 | 19.108 | 19.739 | 20.373 | 21.010 | 21.650 | 22.294 | 22.940 | 23.589 |
| 140                                       | 16.397 | 17.026 | 17.659 | 18.295 | 18.935 | 19.578 | 20.224 | 20.874 | 21.527 | 22.183 | 22.842 | 23.504 | 24.169 |
| 142                                       | 16.795 | 17.439 | 18.087 | 18.739 | 19.394 | 20.053 | 20.715 | 21.380 | 22.049 | 22.721 | 23.396 | 24.074 | 24.755 |
| 144                                       | 17.196 | 17.856 | 18.519 | 19.187 | 19.857 | 20.532 | 21.210 | 21.891 | 22.576 | 23.264 | 23.955 | 24.650 | 25.347 |
| 146                                       | 17.601 | 18.277 | 18.956 | 19.639 | 20.326 | 21.016 | 21.710 | 22.407 | 23.108 | 23.812 | 24.520 | 25.231 | 25.944 |
| 148                                       | 18.011 | 18.702 | 19.396 | 20.095 | 20.798 | 21.504 | 22.215 | 22.928 | 23.645 | 24.366 | 25.090 | 25.817 | 26.548 |
| 150                                       | 18.424 | 19.130 | 19.841 | 20.556 | 21.275 | 21.998 | 22.724 | 23.454 | 24.188 | 24.925 | 25.665 | 26.409 | 27.156 |
| 152                                       | 18.840 | 19.563 | 20.290 | 21.021 | 21.756 | 22.495 | 23.238 | 23.985 | 24.735 | 25.489 | 26.246 | 27.007 | 27.771 |
| 154                                       | 19.261 | 20.000 | 20.743 | 21.490 | 22.242 | 22.997 | 23.757 | 24.520 | 25.287 | 26.058 | 26.832 | 27.609 | 28.391 |
| 156                                       | 19.685 | 20.441 | 21.200 | 21.964 | 22.732 | 23.504 | 24.280 | 25.060 | 25.844 | 26.632 | 27.423 | 28.218 | 29.016 |
| 158                                       | 20.114 | 20.885 | 21.661 | 22.442 | 23.226 | 24.015 | 24.808 | 25.605 | 26.406 | 27.211 | 28.019 | 28.832 | 29.647 |
| 160                                       | 20.545 | 21.334 | 22.126 | 22.924 | 23.725 | 24.531 | 25.341 | 26.155 | 26.973 | 27.795 | 28.621 | 29.451 | 30.284 |

续表55

| $V \backslash H$<br>$D$ | 44     | 45     | 46     | 47     | 48     | 49     | 50     | 51     | 52     | 53     | 54     | 55     | 56     |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122                     | 19.686 | 20.217 | 20.751 | 21.287 | 21.825 | 22.365 | 22.907 | 23.452 | 23.998 | 24.546 | 25.096 | 25.648 | 26.202 |
| 124                     | 20.234 | 20.780 | 21.329 | 21.880 | 22.433 | 22.988 | 23.545 | 24.105 | 24.666 | 25.229 | 25.795 | 26.362 | 26.931 |
| 126                     | 20.788 | 21.349 | 21.913 | 22.479 | 23.047 | 23.618 | 24.190 | 24.765 | 25.342 | 25.921 | 26.501 | 27.084 | 27.669 |
| 128                     | 21.348 | 21.925 | 22.504 | 23.085 | 23.668 | 24.254 | 24.842 | 25.432 | 26.025 | 26.619 | 27.216 | 27.814 | 28.415 |
| 130                     | 21.915 | 22.507 | 23.101 | 23.697 | 24.296 | 24.898 | 25.501 | 26.107 | 26.715 | 27.326 | 27.938 | 28.552 | 29.169 |
| 132                     | 22.487 | 23.095 | 23.704 | 24.317 | 24.931 | 25.548 | 26.168 | 26.789 | 27.413 | 28.039 | 28.668 | 29.298 | 29.931 |
| 134                     | 23.066 | 23.689 | 24.314 | 24.942 | 25.573 | 26.205 | 26.841 | 27.478 | 28.118 | 28.761 | 29.405 | 30.052 | 30.701 |
| 136                     | 23.650 | 24.289 | 24.930 | 25.574 | 26.221 | 26.869 | 27.521 | 28.175 | 28.831 | 29.490 | 30.150 | 30.814 | 31.479 |
| 138                     | 24.241 | 24.895 | 25.553 | 26.213 | 26.875 | 27.540 | 28.208 | 28.878 | 29.551 | 30.226 | 30.903 | 31.583 | 32.265 |
| 140                     | 24.837 | 25.508 | 26.181 | 26.857 | 27.536 | 28.218 | 28.902 | 29.589 | 30.278 | 30.969 | 31.663 | 32.360 | 33.059 |
| 142                     | 25.439 | 26.126 | 26.816 | 27.509 | 28.204 | 28.902 | 29.603 | 30.306 | 31.012 | 31.720 | 32.431 | 33.144 | 33.860 |
| 144                     | 26.047 | 26.751 | 27.457 | 28.166 | 28.878 | 29.593 | 30.310 | 31.030 | 31.753 | 32.478 | 33.206 | 33.937 | 34.670 |
| 146                     | 26.661 | 27.381 | 28.104 | 28.830 | 29.559 | 30.290 | 31.025 | 31.762 | 32.502 | 33.244 | 33.989 | 34.737 | 35.487 |
| 148                     | 27.281 | 28.018 | 28.758 | 29.500 | 30.246 | 30.995 | 31.746 | 32.500 | 33.257 | 34.017 | 34.779 | 35.544 | 36.312 |
| 150                     | 27.907 | 28.660 | 29.417 | 30.177 | 30.940 | 31.705 | 32.474 | 33.245 | 34.020 | 34.797 | 35.577 | 36.359 | 37.144 |
| 152                     | 28.538 | 29.309 | 30.083 | 30.860 | 31.640 | 32.423 | 33.209 | 33.998 | 34.789 | 35.584 | 36.382 | 37.182 | 37.985 |
| 154                     | 29.175 | 29.963 | 30.754 | 31.548 | 32.346 | 33.146 | 33.950 | 34.757 | 35.566 | 36.379 | 37.194 | 38.012 | 38.833 |
| 156                     | 29.818 | 30.623 | 31.432 | 32.244 | 33.059 | 33.877 | 34.698 | 35.522 | 36.350 | 37.180 | 38.013 | 38.849 | 39.688 |
| 158                     | 30.467 | 31.289 | 32.115 | 32.945 | 33.778 | 34.614 | 35.453 | 36.295 | 37.140 | 37.989 | 38.840 | 39.694 | 40.552 |
| 160                     | 31.121 | 31.961 | 32.805 | 33.652 | 34.503 | 35.357 | 36.214 | 37.074 | 37.938 | 38.805 | 39.674 | 40.547 | 41.422 |



续表55

| $\begin{matrix} V \\ H \\ D \end{matrix}$ |        |        |        |        |  |  |  |  |  |  |  |  |  |
|-------------------------------------------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|
|                                           | 57     | 58     | 59     | 60     |  |  |  |  |  |  |  |  |  |
| 122                                       | 26.758 | 27.315 | 27.874 | 28.435 |  |  |  |  |  |  |  |  |  |
| 124                                       | 27.503 | 28.076 | 28.651 | 29.227 |  |  |  |  |  |  |  |  |  |
| 126                                       | 28.256 | 28.845 | 29.435 | 30.028 |  |  |  |  |  |  |  |  |  |
| 128                                       | 29.018 | 29.622 | 30.229 | 30.837 |  |  |  |  |  |  |  |  |  |
| 130                                       | 29.788 | 30.408 | 31.031 | 31.656 |  |  |  |  |  |  |  |  |  |
| 132                                       | 30.566 | 31.203 | 31.842 | 32.482 |  |  |  |  |  |  |  |  |  |
| 134                                       | 31.352 | 32.005 | 32.661 | 33.318 |  |  |  |  |  |  |  |  |  |
| 136                                       | 32.147 | 32.816 | 33.488 | 34.162 |  |  |  |  |  |  |  |  |  |
| 138                                       | 32.949 | 33.636 | 34.324 | 35.015 |  |  |  |  |  |  |  |  |  |
| 140                                       | 33.760 | 34.463 | 35.169 | 35.877 |  |  |  |  |  |  |  |  |  |
| 142                                       | 34.578 | 35.299 | 36.021 | 36.747 |  |  |  |  |  |  |  |  |  |
| 144                                       | 35.405 | 36.143 | 36.883 | 37.625 |  |  |  |  |  |  |  |  |  |
| 146                                       | 36.239 | 36.994 | 37.752 | 38.512 |  |  |  |  |  |  |  |  |  |
| 148                                       | 37.082 | 37.854 | 38.630 | 39.407 |  |  |  |  |  |  |  |  |  |
| 150                                       | 37.932 | 38.722 | 39.515 | 40.311 |  |  |  |  |  |  |  |  |  |
| 152                                       | 38.790 | 39.599 | 40.409 | 41.223 |  |  |  |  |  |  |  |  |  |
| 154                                       | 39.656 | 40.483 | 41.311 | 42.143 |  |  |  |  |  |  |  |  |  |
| 156                                       | 40.530 | 41.375 | 42.222 | 43.072 |  |  |  |  |  |  |  |  |  |
| 158                                       | 41.412 | 42.274 | 43.140 | 44.008 |  |  |  |  |  |  |  |  |  |
| 160                                       | 42.301 | 43.182 | 44.066 | 44.953 |  |  |  |  |  |  |  |  |  |

## 五十七、西藏地区乔松二元立木材积表

$$V = 0.000061458 D^{1.89238} H^{0.95924}$$

表56

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                         |       | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |       |       |       |       |
| 4                                         | 0.002 | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.008 | 0.008 |       |       |
| 6                                         | 0.003 | 0.005 | 0.007 | 0.009 | 0.010 | 0.012 | 0.013 | 0.015 | 0.017 | 0.018 | 0.020 | 0.021 |
| 8                                         | 0.005 | 0.009 | 0.012 | 0.015 | 0.018 | 0.020 | 0.023 | 0.026 | 0.029 | 0.031 | 0.034 | 0.037 |
| 10                                        |       | 0.014 | 0.018 | 0.022 | 0.027 | 0.031 | 0.035 | 0.039 | 0.044 | 0.048 | 0.052 | 0.056 |
| 12                                        |       |       | 0.026 | 0.032 | 0.038 | 0.044 | 0.050 | 0.056 | 0.062 | 0.068 | 0.073 | 0.079 |
| 14                                        |       |       | 0.034 | 0.042 | 0.051 | 0.059 | 0.067 | 0.075 | 0.083 | 0.090 | 0.098 | 0.106 |
| 16                                        |       |       |       | 0.055 | 0.065 | 0.075 | 0.086 | 0.096 | 0.106 | 0.116 | 0.127 | 0.137 |
| 18                                        |       |       |       | 0.068 | 0.081 | 0.094 | 0.107 | 0.120 | 0.133 | 0.146 | 0.158 | 0.171 |
| 20                                        |       |       |       |       | 0.099 | 0.115 | 0.131 | 0.147 | 0.162 | 0.178 | 0.193 | 0.209 |
| 22                                        |       |       |       |       |       | 0.138 | 0.157 | 0.175 | 0.194 | 0.213 | 0.231 | 0.250 |
| 24                                        |       |       |       |       |       | 0.163 | 0.185 | 0.207 | 0.229 | 0.251 | 0.273 | 0.294 |
| 26                                        |       |       |       |       |       |       | 0.215 | 0.241 | 0.266 | 0.292 | 0.317 | 0.343 |
| 28                                        |       |       |       |       |       |       |       | 0.277 | 0.306 | 0.336 | 0.365 | 0.394 |
| 30                                        |       |       |       |       |       |       |       |       | 0.349 | 0.383 | 0.416 | 0.449 |
| 32                                        |       |       |       |       |       |       |       |       |       | 0.432 | 0.470 | 0.507 |
| 34                                        |       |       |       |       |       |       |       |       |       | 0.485 | 0.527 | 0.569 |
| 36                                        |       |       |       |       |       |       |       |       |       |       | 0.587 | 0.634 |
| 38                                        |       |       |       |       |       |       |       |       |       |       | 0.651 | 0.702 |
| 40                                        |       |       |       |       |       |       |       |       |       |       | 0.717 | 0.774 |

续表56

| $V \begin{matrix} H \\ D \end{matrix}$ | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
|----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2                                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 4                                      |       |       |       |       |       |       |       |       |       |       |       |       |
| 6                                      | 0.023 |       |       |       |       |       |       |       |       |       |       |       |
| 8                                      | 0.040 | 0.042 | 0.045 | 0.048 | 0.050 | 0.053 | 0.056 |       |       |       |       |       |
| 10                                     | 0.060 | 0.064 | 0.069 | 0.073 | 0.077 | 0.081 | 0.085 | 0.089 | 0.093 | 0.097 | 0.101 | 0.105 |
| 12                                     | 0.085 | 0.091 | 0.097 | 0.103 | 0.108 | 0.114 | 0.120 | 0.126 | 0.131 | 0.137 | 0.143 | 0.149 |
| 14                                     | 0.114 | 0.122 | 0.130 | 0.137 | 0.145 | 0.153 | 0.160 | 0.168 | 0.176 | 0.184 | 0.191 | 0.199 |
| 16                                     | 0.147 | 0.157 | 0.167 | 0.177 | 0.187 | 0.197 | 0.207 | 0.217 | 0.226 | 0.236 | 0.246 | 0.256 |
| 18                                     | 0.183 | 0.196 | 0.208 | 0.221 | 0.233 | 0.246 | 0.258 | 0.271 | 0.283 | 0.295 | 0.308 | 0.320 |
| 20                                     | 0.224 | 0.239 | 0.254 | 0.270 | 0.285 | 0.300 | 0.315 | 0.330 | 0.345 | 0.360 | 0.375 | 0.390 |
| 22                                     | 0.268 | 0.286 | 0.305 | 0.323 | 0.341 | 0.359 | 0.378 | 0.396 | 0.414 | 0.432 | 0.450 | 0.468 |
| 24                                     | 0.316 | 0.338 | 0.359 | 0.381 | 0.402 | 0.424 | 0.445 | 0.466 | 0.488 | 0.509 | 0.530 | 0.551 |
| 26                                     | 0.368 | 0.393 | 0.418 | 0.443 | 0.468 | 0.493 | 0.518 | 0.543 | 0.567 | 0.592 | 0.617 | 0.641 |
| 28                                     | 0.423 | 0.452 | 0.481 | 0.510 | 0.539 | 0.567 | 0.596 | 0.624 | 0.653 | 0.681 | 0.710 | 0.738 |
| 30                                     | 0.482 | 0.515 | 0.548 | 0.581 | 0.614 | 0.646 | 0.679 | 0.711 | 0.744 | 0.776 | 0.809 | 0.841 |
| 32                                     | 0.545 | 0.582 | 0.619 | 0.656 | 0.693 | 0.730 | 0.767 | 0.804 | 0.841 | 0.877 | 0.914 | 0.950 |
| 34                                     | 0.611 | 0.653 | 0.695 | 0.736 | 0.778 | 0.819 | 0.860 | 0.902 | 0.943 | 0.984 | 1.025 | 1.066 |
| 36                                     | 0.681 | 0.727 | 0.774 | 0.820 | 0.867 | 0.913 | 0.959 | 1.005 | 1.050 | 1.096 | 1.142 | 1.187 |
| 38                                     | 0.754 | 0.806 | 0.857 | 0.909 | 0.960 | 1.011 | 1.062 | 1.113 | 1.164 | 1.214 | 1.265 | 1.315 |
| 40                                     | 0.831 | 0.888 | 0.945 | 1.001 | 1.058 | 1.114 | 1.170 | 1.226 | 1.282 | 1.338 | 1.394 | 1.449 |

续表56

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |  |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 2                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 4                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 6                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 8                                         |       |       |       |       |       |       |       |       |       |       |  |  |
| 10                                        | 0.109 | 0.113 | 0.117 | 0.121 | 0.125 | 0.129 |       |       |       |       |  |  |
| 12                                        | 0.154 | 0.160 | 0.166 | 0.171 | 0.177 | 0.183 | 0.188 | 0.194 | 0.199 | 0.205 |  |  |
| 14                                        | 0.206 | 0.214 | 0.222 | 0.229 | 0.237 | 0.244 | 0.252 | 0.259 | 0.267 | 0.275 |  |  |
| 16                                        | 0.266 | 0.276 | 0.285 | 0.295 | 0.305 | 0.315 | 0.324 | 0.334 | 0.344 | 0.353 |  |  |
| 18                                        | 0.332 | 0.344 | 0.357 | 0.369 | 0.381 | 0.393 | 0.405 | 0.417 | 0.430 | 0.442 |  |  |
| 20                                        | 0.405 | 0.420 | 0.435 | 0.450 | 0.465 | 0.480 | 0.495 | 0.510 | 0.524 | 0.539 |  |  |
| 22                                        | 0.486 | 0.503 | 0.521 | 0.539 | 0.557 | 0.575 | 0.593 | 0.610 | 0.628 | 0.646 |  |  |
| 24                                        | 0.572 | 0.594 | 0.615 | 0.636 | 0.657 | 0.678 | 0.699 | 0.720 | 0.740 | 0.761 |  |  |
| 26                                        | 0.666 | 0.691 | 0.715 | 0.740 | 0.764 | 0.788 | 0.813 | 0.837 | 0.862 | 0.886 |  |  |
| 28                                        | 0.766 | 0.795 | 0.823 | 0.851 | 0.879 | 0.907 | 0.935 | 0.963 | 0.991 | 1.019 |  |  |
| 30                                        | 0.873 | 0.905 | 0.938 | 0.970 | 1.002 | 1.034 | 1.066 | 1.098 | 1.129 | 1.161 |  |  |
| 32                                        | 0.987 | 1.023 | 1.059 | 1.096 | 1.132 | 1.168 | 1.204 | 1.240 | 1.276 | 1.312 |  |  |
| 34                                        | 1.107 | 1.147 | 1.188 | 1.229 | 1.269 | 1.310 | 1.350 | 1.391 | 1.431 | 1.472 |  |  |
| 36                                        | 1.233 | 1.278 | 1.324 | 1.369 | 1.414 | 1.460 | 1.505 | 1.550 | 1.595 | 1.640 |  |  |
| 38                                        | 1.366 | 1.416 | 1.466 | 1.517 | 1.567 | 1.617 | 1.667 | 1.717 | 1.767 | 1.816 |  |  |
| 40                                        | 1.505 | 1.561 | 1.616 | 1.671 | 1.726 | 1.782 | 1.837 | 1.892 | 1.947 | 2.002 |  |  |

续表56

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 0.786 | 0.849 | 0.912 | 0.974 | 1.036 | 1.098 | 1.160 | 1.222 | 1.283 | 1.345 | 1.406 | 1.467 |
| 44                                        | 0.859 | 0.927 | 0.995 | 1.063 | 1.131 | 1.199 | 1.267 | 1.334 | 1.401 | 1.469 | 1.536 | 1.603 |
| 46                                        |       | 1.008 | 1.083 | 1.157 | 1.231 | 1.304 | 1.378 | 1.451 | 1.524 | 1.597 | 1.670 | 1.743 |
| 48                                        |       | 1.093 | 1.174 | 1.254 | 1.334 | 1.414 | 1.493 | 1.573 | 1.652 | 1.731 | 1.810 | 1.889 |
| 50                                        |       |       | 1.268 | 1.355 | 1.441 | 1.527 | 1.613 | 1.699 | 1.785 | 1.871 | 1.956 | 2.041 |
| 52                                        |       |       | 1.365 | 1.459 | 1.552 | 1.645 | 1.738 | 1.830 | 1.923 | 2.015 | 2.107 | 2.198 |
| 54                                        |       |       | 1.467 | 1.567 | 1.667 | 1.767 | 1.866 | 1.966 | 2.065 | 2.164 | 2.263 | 2.361 |
| 56                                        |       |       | 1.571 | 1.679 | 1.786 | 1.893 | 1.999 | 2.106 | 2.212 | 2.318 | 2.424 | 2.529 |
| 58                                        |       |       | 1.679 | 1.794 | 1.908 | 2.023 | 2.137 | 2.250 | 2.364 | 2.477 | 2.590 | 2.703 |
| 60                                        |       |       | 1.790 | 1.913 | 2.035 | 2.157 | 2.278 | 2.399 | 2.520 | 2.641 | 2.762 | 2.882 |
| 62                                        |       |       |       | 2.035 | 2.165 | 2.295 | 2.424 | 2.553 | 2.682 | 2.810 | 2.939 | 3.067 |
| 64                                        |       |       |       | 2.161 | 2.299 | 2.437 | 2.574 | 2.711 | 2.848 | 2.984 | 3.121 | 3.256 |
| 66                                        |       |       |       | 2.291 | 2.437 | 2.583 | 2.728 | 2.874 | 3.019 | 3.163 | 3.308 | 3.452 |
| 68                                        |       |       |       | 2.424 | 2.579 | 2.733 | 2.887 | 3.041 | 3.194 | 3.347 | 3.500 | 3.652 |
| 70                                        |       |       |       | 2.560 | 2.724 | 2.887 | 3.050 | 3.212 | 3.374 | 3.536 | 3.697 | 3.858 |
| 72                                        |       |       |       |       |       | 3.045 | 3.217 | 3.388 | 3.559 | 3.729 | 3.900 | 4.070 |
| 74                                        |       |       |       |       |       | 3.207 | 3.388 | 3.568 | 3.748 | 3.928 | 4.107 | 4.286 |
| 76                                        |       |       |       |       |       |       | 3.563 | 3.753 | 3.942 | 4.131 | 4.320 | 4.508 |
| 78                                        |       |       |       |       |       |       |       |       | 4.141 | 4.339 | 4.537 | 4.735 |
| 80                                        |       |       |       |       |       |       |       |       |       | 4.552 | 4.760 | 4.967 |

续表56

| $\begin{matrix} V \\ H \\ D \end{matrix}$ | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42                                        | 1.529 | 1.590 | 1.651 | 1.711 | 1.772 | 1.833 | 1.893 | 1.954 | 2.014 | 2.075 | 2.135 | 2.195 |
| 44                                        | 1.669 | 1.736 | 1.803 | 1.869 | 1.935 | 2.002 | 2.068 | 2.134 | 2.200 | 2.266 | 2.332 | 2.397 |
| 46                                        | 1.816 | 1.888 | 1.961 | 2.033 | 2.105 | 2.177 | 2.249 | 2.321 | 2.393 | 2.465 | 2.536 | 2.608 |
| 48                                        | 1.968 | 2.047 | 2.125 | 2.204 | 2.282 | 2.360 | 2.438 | 2.516 | 2.594 | 2.671 | 2.749 | 2.826 |
| 50                                        | 2.126 | 2.211 | 2.296 | 2.380 | 2.465 | 2.549 | 2.634 | 2.718 | 2.802 | 2.886 | 2.970 | 3.053 |
| 52                                        | 2.290 | 2.381 | 2.473 | 2.564 | 2.655 | 2.746 | 2.837 | 2.927 | 3.018 | 3.108 | 3.198 | 3.289 |
| 54                                        | 2.459 | 2.558 | 2.656 | 2.754 | 2.851 | 2.949 | 3.047 | 3.144 | 3.241 | 3.338 | 3.435 | 3.532 |
| 56                                        | 2.635 | 2.740 | 2.845 | 2.950 | 3.055 | 3.159 | 3.264 | 3.368 | 3.472 | 3.576 | 3.680 | 3.784 |
| 58                                        | 2.816 | 2.928 | 3.040 | 3.152 | 3.264 | 3.376 | 3.488 | 3.599 | 3.710 | 3.822 | 3.933 | 4.043 |
| 60                                        | 3.002 | 3.122 | 3.242 | 3.361 | 3.481 | 3.600 | 3.719 | 3.838 | 3.956 | 4.075 | 4.193 | 4.311 |
| 62                                        | 3.194 | 3.322 | 3.449 | 3.576 | 3.703 | 3.830 | 3.957 | 4.083 | 4.209 | 4.336 | 4.462 | 4.587 |
| 64                                        | 3.392 | 3.528 | 3.663 | 3.798 | 3.933 | 4.067 | 4.202 | 4.336 | 4.470 | 4.604 | 4.738 | 4.871 |
| 66                                        | 3.596 | 3.739 | 3.882 | 4.026 | 4.169 | 4.311 | 4.454 | 4.596 | 4.738 | 4.880 | 5.022 | 5.163 |
| 68                                        | 3.805 | 3.956 | 4.108 | 4.260 | 4.411 | 4.562 | 4.713 | 4.863 | 5.014 | 5.164 | 5.314 | 5.464 |
| 70                                        | 4.019 | 4.180 | 4.340 | 4.500 | 4.660 | 4.819 | 4.978 | 5.137 | 5.296 | 5.455 | 5.613 | 5.772 |
| 72                                        | 4.239 | 4.408 | 4.577 | 4.746 | 4.915 | 5.083 | 5.251 | 5.419 | 5.586 | 5.754 | 5.921 | 6.088 |
| 74                                        | 4.465 | 4.643 | 4.821 | 4.999 | 5.176 | 5.353 | 5.530 | 5.707 | 5.884 | 6.060 | 6.236 | 6.412 |
| 76                                        | 4.696 | 4.883 | 5.071 | 5.257 | 5.444 | 5.630 | 5.817 | 6.002 | 6.188 | 6.373 | 6.559 | 6.744 |
| 78                                        | 4.932 | 5.129 | 5.326 | 5.522 | 5.718 | 5.914 | 6.110 | 6.305 | 6.500 | 6.695 | 6.889 | 7.083 |
| 80                                        | 5.174 | 5.381 | 5.587 | 5.793 | 5.999 | 6.204 | 6.409 | 6.614 | 6.819 | 7.023 | 7.227 | 7.431 |

续表 56

| $\begin{matrix} V & H \\ D \end{matrix}$ | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31     | 32     | 33     | 34     | 35     |
|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 82                                       | 4.983 | 5.205 | 5.422 | 5.638 | 5.855 | 6.071 | 6.286 | 6.501 | 6.716 | 6.931  | 7.145  | 7.359  | 7.573  | 7.786  |
| 84                                       | 5.221 | 5.448 | 5.675 | 5.902 | 6.128 | 6.354 | 6.579 | 6.805 | 7.029 | 7.254  | 7.478  | 7.702  | 7.926  | 8.150  |
| 86                                       | 5.458 | 5.696 | 5.933 | 6.170 | 6.407 | 6.643 | 6.879 | 7.114 | 7.350 | 7.584  | 7.819  | 8.053  | 8.287  | 8.521  |
| 88                                       | 5.701 | 5.949 | 6.197 | 6.445 | 6.692 | 6.938 | 7.185 | 7.431 | 7.676 | 7.922  | 8.167  | 8.411  | 8.656  | 8.900  |
| 90                                       |       | 6.208 | 6.466 | 6.725 | 6.982 | 7.240 | 7.497 | 7.754 | 8.010 | 8.266  | 8.521  | 8.777  | 9.032  | 9.286  |
| 92                                       |       |       | 6.741 | 7.010 | 7.279 | 7.547 | 7.815 | 8.083 | 8.350 | 8.617  | 8.883  | 9.149  | 9.415  | 9.681  |
| 94                                       |       |       |       | 7.301 | 7.581 | 7.861 | 8.140 | 8.419 | 8.697 | 8.975  | 9.252  | 9.529  | 9.806  | 10.083 |
| 96                                       |       |       |       |       | 7.889 | 8.180 | 8.471 | 8.761 | 9.050 | 9.339  | 9.628  | 9.917  | 10.205 | 10.493 |
| 98                                       |       |       |       |       | 8.203 | 8.506 | 8.803 | 9.109 | 9.410 | 9.711  | 10.011 | 10.311 | 10.611 | 10.910 |
| 100                                      |       |       |       |       | 8.523 | 8.837 | 9.151 | 9.464 | 9.777 | 10.090 | 10.402 | 10.713 | 11.024 | 11.335 |

## 附 录

## 二元立木材积表导算一元立木材积表方法

1. 在某一区域内, 采用随机抽样的方法, 用仪器实测各径级立木树高和胸高直径, 一般每个径级不少于15株。

2. 求算各径级中值的平均树高值

(1) 用算术平均法, 计算各径级立木的平均胸径和平均树高, 用抛物线公式  $H = a + bD + cD^2$ , 最小二乘法原理, 求解回归方程式的参数值  $a$ 、 $b$ 、 $c$ , 其标准联立方程式是:

$$\begin{cases} an + bn\sum D + cn\sum D^2 = n\sum H \\ an\sum D + bn\sum D^2 + cn\sum D^3 = n\sum DH \\ an\sum D^2 + bn\sum D^3 + cn\sum D^4 = n\sum D^2 H \end{cases}$$

式中  $n$  为株数。

将算得的参数  $a$ 、 $b$ 、 $c$  值代入  $H = a + bD + cD^2$  即得  $D$  与  $H$  相关经验式。

将各径级中值代入经验式中, 即算出各径级中值相对应的平均树高值。将这个平均树高值点绘在图上, 与实际值比较。如发现在少数小径级和少数大径级处出现较大偏差时, 可用图解法加以调整, 得调整后的各径级的平均树高值。如果与树高实际值相差较大或整个曲线趋势不一致时, 则应另选公式正列。

(2) 亦可用图解法求得各径级中值的平均树高值, 即: 以横坐标表示径级, 纵坐标表示树高, 将各径级立木的平均胸径和平均树高值点绘在图上, 连成折线后, 按折线趋势描绘成圆滑曲线。直接在图上读取各径级中值在曲线上的平均树高值。在描绘圆滑曲线时, 要很好掌握曲线趋势, 以免产生误差。

3. 以各径级平均树高值, 直接利用二元立木材积表, 用内插法算得各径级的平均材积, 列表成为一元立木材积表。



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28

中华人民共和国农林部  
部 标 准  
立 木 材 积 表

LY 208-77

技术标准出版社出版  
(北京复外三里河)

秦皇岛市印刷厂印刷

新华书店北京发行所发行 各地新华书店经售

开本 850×1168 1/32 印张 10 3/4 字数 383,000

1978年7月第一版 1978年7月第一次印刷

印数 1—42,000

书号: 15169·2-2600 定价 1.10 元