

水文计算图表集

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长江流域规划办公室水文处编

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前 言

水文计算是一项为国民经济建设提供设计依据的基本工作。其成果直接关系到工程安全及经济效益。为了适应我国现代化建设对水文计算工作日益增长的需要及配合我处编写的《水利工程实用水文水利计算》一书的应用，我们将一般常用的水文计算图表进行了汇编。

《水文计算图表集》内容包括频率计算、产流汇流计算、小流域暴雨径流计算、可能最大降水计算、历史洪水和其它常用图表等六部份。为了便于使用或参考，有些图表附有必要的说明及计算查用示例。编辑时尽可能地采用最新资料，对其中一些图表还进行了校正、补充，力求简明、正确、实用。此外，还提供了某些地区的经验数据和实测成果供设计人员参考。凡在实践中由于不甚成熟、应用很少以及来源不清的图表则未编入。

必须指出，由于自然地理条件、水文气象特征以及工程要求各不相同，使用本图表集时切忌生搬硬套，一定要从各地实际情况出发，认真分析，合理选用。

在汇编过程中，得到水利部规划设计管理局的关怀指导及有关单位的协助，深表谢意。由于我们的水平有限，缺点错误在所难免，欢迎批评指正。

长 办 水 文 处

一九八〇年三月

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2 对数正态曲线的离均系数 Φ 值表

| $C_s \backslash P(\%)$ | 0.01 | 0.1 | 1 | 5 | 20 | 50 | 80 | 95 | 99 |
|------------------------|-------|------|------|------|------|------|------|------|------|
| | + | + | + | + | + | - | - | - | - |
| 0.0 | 3.72 | 3.09 | 2.33 | 1.64 | 0.84 | 0.00 | 0.84 | 1.65 | 2.33 |
| 0.1 | 3.95 | 3.22 | 2.40 | 1.67 | 0.84 | 0.02 | 0.85 | 1.62 | 2.25 |
| 0.2 | 4.18 | 3.39 | 2.47 | 1.70 | 0.83 | 0.04 | 0.85 | 1.59 | 2.18 |
| 0.3 | 4.42 | 3.56 | 2.55 | 1.72 | 0.82 | 0.06 | 0.85 | 1.56 | 2.11 |
| 0.4 | 4.70 | 3.72 | 2.62 | 1.75 | 0.81 | 0.07 | 0.85 | 1.53 | 2.04 |
| 0.5 | 4.96 | 3.88 | 2.70 | 1.77 | 0.80 | 0.09 | 0.86 | 1.49 | 1.98 |
| 0.6 | 5.24 | 4.05 | 2.77 | 1.79 | 0.79 | 0.10 | 0.85 | 1.46 | 1.91 |
| 0.7 | 5.52 | 4.21 | 2.84 | 1.81 | 0.78 | 0.11 | 0.85 | 1.43 | 1.85 |
| 0.8 | 5.81 | 4.37 | 2.90 | 1.82 | 0.77 | 0.13 | 0.84 | 1.40 | 1.79 |
| 0.9 | 6.11 | 4.55 | 2.97 | 1.84 | 0.76 | 0.14 | 0.84 | 1.37 | 1.74 |
| 1.0 | 6.40 | 4.72 | 3.03 | 1.85 | 0.75 | 0.15 | 0.84 | 1.34 | 1.68 |
| 1.1 | 6.71 | 4.87 | 3.09 | 1.86 | 0.73 | 0.16 | 0.83 | 1.31 | 1.63 |
| 1.2 | 7.02 | 5.04 | 3.15 | 1.87 | 0.72 | 0.17 | 0.82 | 1.29 | 1.68 |
| 1.3 | 7.31 | 5.19 | 3.21 | 1.88 | 0.71 | 0.18 | 0.82 | 1.26 | 1.54 |
| 1.4 | 7.62 | 5.35 | 3.26 | 1.88 | 0.69 | 0.19 | 0.81 | 1.23 | 1.49 |
| 1.5 | 7.92 | 5.51 | 3.31 | 1.89 | 0.68 | 0.20 | 0.81 | 1.21 | 1.45 |
| 1.6 | 8.26 | 5.66 | 3.36 | 1.89 | 0.67 | 0.21 | 0.80 | 1.18 | 1.41 |
| 1.7 | 8.58 | 5.80 | 3.40 | 1.89 | 0.65 | 0.22 | 0.79 | 1.16 | 1.38 |
| 1.8 | 8.88 | 5.96 | 3.44 | 1.89 | 0.64 | 0.22 | 0.78 | 1.14 | 1.34 |
| 1.9 | 9.20 | 6.10 | 3.48 | 1.89 | 0.63 | 0.23 | 0.78 | 1.12 | 1.31 |
| 2.0 | 9.51 | 6.25 | 3.52 | 1.89 | 0.61 | 0.24 | 0.77 | 1.10 | 1.28 |
| 2.2 | 10.12 | 6.51 | 3.59 | 1.89 | 0.59 | 0.25 | 0.76 | 1.06 | 1.22 |
| 2.4 | 10.72 | 6.77 | 3.65 | 1.88 | 0.57 | 0.26 | 0.74 | 1.02 | 1.17 |
| 2.6 | 11.25 | 7.02 | 3.70 | 1.87 | 0.55 | 0.26 | 0.73 | 0.99 | 1.12 |
| 2.8 | 11.80 | 7.25 | 3.74 | 1.86 | 0.53 | 0.27 | 0.72 | 0.96 | 1.08 |
| 3.0 | 12.36 | 7.47 | 3.78 | 1.85 | 0.51 | 0.28 | 0.71 | 0.93 | 1.04 |
| 3.2 | 12.85 | 7.65 | 3.81 | 1.84 | 0.49 | 0.28 | 0.69 | 0.90 | 1.01 |
| 3.4 | 13.36 | 7.84 | 3.84 | 1.83 | 0.47 | 0.29 | 0.68 | 0.88 | 0.98 |
| 3.6 | 13.83 | 8.00 | 3.87 | 1.81 | 0.46 | 0.29 | 0.67 | 0.86 | 0.95 |
| 3.8 | 14.23 | 8.16 | 3.89 | 1.80 | 0.44 | 0.29 | 0.66 | 0.84 | 0.92 |
| 4.0 | 14.70 | 8.30 | 3.91 | 1.78 | 0.42 | 0.29 | 0.65 | 0.82 | 0.90 |
| 4.5 | 15.62 | 8.60 | 3.93 | 1.75 | 0.39 | 0.30 | 0.63 | 0.78 | 0.84 |
| 5.0 | 16.45 | 8.86 | 3.95 | 1.71 | 0.37 | 0.30 | 0.62 | 0.74 | 0.80 |

3 耿貝尔曲线的离均系数 Φ 值表

| P(%) | Φ | P(%) | Φ |
|-------|--------|------|--------|
| 0.001 | 8.53 | 30 | 0.35 |
| 0.01 | 6.73 | 40 | 0.07 |
| 0.05 | 5.48 | 50 | -0.16 |
| 0.1 | 4.94 | 60 | -0.38 |
| 0.5 | 3.68 | 70 | -0.59 |
| 1 | 3.14 | 80 | -0.82 |
| 2 | 2.59 | 90 | -1.10 |
| 3 | 2.27 | 95 | -1.31 |
| 5 | 1.87 | 97 | -1.43 |
| 10 | 1.30 | 99 | -1.64 |
| 20 | 0.72 | 99.9 | -1.96 |

4 皮尔逊 V 型曲线的离均系数 Φ 值表

| P(%) | 0.01 | 0.1 | 1 | 3 | 5 | 10 | 20 | 30 | 50 | 70 | 80 | 90 | 95 | 99 | 99.9 |
|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | C_s | + | + | + | + | + | + | + | - | - | - | - | - | - | - |
| 0 | 3.72 | 3.09 | 2.33 | 1.88 | 1.64 | 1.28 | 0.84 | 0.52 | 0.00 | 0.52 | 0.84 | 1.28 | 1.64 | 2.33 | 2.99 |
| 0.1 | 4.04 | 3.26 | 2.41 | 1.93 | 1.66 | 1.28 | 0.83 | 0.50 | 0.02 | 0.53 | 0.84 | 1.27 | 1.61 | 2.27 | 2.95 |
| 0.2 | 4.34 | 3.43 | 2.49 | 1.98 | 1.69 | 1.29 | 0.82 | 0.48 | 0.03 | 0.55 | 0.84 | 1.25 | 1.58 | 2.18 | 2.81 |
| 0.3 | 4.65 | 3.60 | 2.56 | 2.02 | 1.72 | 1.29 | 0.81 | 0.47 | 0.05 | 0.56 | 0.84 | 1.23 | 1.55 | 2.12 | 2.69 |
| 0.4 | 4.95 | 3.78 | 2.63 | 2.06 | 1.74 | 1.30 | 0.80 | 0.45 | 0.06 | 0.56 | 0.84 | 1.22 | 1.52 | 2.05 | 2.58 |
| 0.5 | 5.25 | 3.95 | 2.70 | 2.09 | 1.76 | 1.30 | 0.79 | 0.44 | 0.08 | 0.57 | 0.83 | 1.20 | 1.48 | 1.98 | 2.46 |
| 0.6 | 5.55 | 4.12 | 2.77 | 2.12 | 1.78 | 1.30 | 0.78 | 0.43 | 0.09 | 0.58 | 0.83 | 1.18 | 1.45 | 1.92 | 2.37 |
| 0.7 | 5.85 | 4.29 | 2.84 | 2.15 | 1.80 | 1.30 | 0.77 | 0.42 | 0.11 | 0.58 | 0.83 | 1.16 | 1.42 | 1.86 | 2.28 |
| 0.8 | 6.16 | 4.46 | 2.90 | 2.18 | 1.81 | 1.30 | 0.76 | 0.40 | 0.12 | 0.58 | 0.82 | 1.14 | 1.40 | 1.81 | 2.20 |
| 0.9 | 6.47 | 4.63 | 2.96 | 2.20 | 1.82 | 1.30 | 0.75 | 0.39 | 0.13 | 0.58 | 0.82 | 1.13 | 1.37 | 1.76 | 2.12 |
| 1.0 | 6.78 | 4.79 | 3.03 | 2.22 | 1.83 | 1.30 | 0.73 | 0.38 | 0.14 | 0.59 | 0.82 | 1.12 | 1.35 | 1.71 | 2.05 |
| 1.2 | 7.38 | 5.12 | 3.14 | 2.26 | 1.85 | 1.29 | 0.71 | 0.36 | 0.16 | 0.59 | 0.81 | 1.09 | 1.30 | 1.63 | 1.92 |
| 1.4 | 8.00 | 5.43 | 3.24 | 2.30 | 1.86 | 1.28 | 0.68 | 0.34 | 0.18 | 0.59 | 0.80 | 1.05 | 1.25 | 1.56 | 1.82 |
| 1.6 | 8.62 | 5.74 | 3.32 | 2.32 | 1.86 | 1.27 | 0.66 | 0.31 | 0.20 | 0.59 | 0.78 | 1.04 | 1.21 | 1.50 | 1.73 |
| 1.8 | 9.26 | 6.03 | 3.40 | 2.34 | 1.86 | 1.25 | 0.64 | 0.28 | 0.21 | 0.59 | 0.77 | 1.01 | 1.17 | 1.45 | 1.64 |
| 2.0 | 9.86 | 6.31 | 3.46 | 2.35 | 1.86 | 1.23 | 0.62 | 0.26 | 0.22 | 0.58 | 0.76 | 0.98 | 1.14 | 1.40 | 1.57 |
| 2.2 | 10.46 | 6.55 | 3.51 | 2.35 | 1.86 | 1.21 | 0.61 | 0.25 | 0.22 | 0.58 | 0.75 | 0.96 | 1.12 | 1.35 | 1.51 |
| 2.4 | 11.04 | 6.78 | 3.55 | 2.36 | 1.85 | 1.19 | 0.59 | 0.23 | 0.22 | 0.58 | 0.74 | 0.94 | 1.09 | 1.30 | 1.45 |
| 2.6 | 11.58 | 6.97 | 3.59 | 2.36 | 1.84 | 1.17 | 0.57 | 0.22 | 0.23 | 0.58 | 0.73 | 0.92 | 1.06 | 1.26 | 1.41 |
| 2.8 | 12.10 | 7.13 | 3.62 | 2.35 | 1.83 | 1.16 | 0.55 | 0.20 | 0.24 | 0.57 | 0.73 | 0.91 | 1.04 | 1.22 | 1.37 |
| 3.0 | 12.60 | 7.30 | 3.65 | 2.35 | 1.82 | 1.14 | 0.54 | 0.19 | 0.24 | 0.57 | 0.72 | 0.90 | 1.02 | 1.19 | 1.34 |
| 3.2 | 13.10 | 7.44 | 3.67 | 2.35 | 1.80 | 1.12 | 0.52 | 0.18 | 0.25 | 0.56 | 0.71 | 0.88 | 1.00 | 1.17 | 1.31 |
| 3.4 | 13.55 | 7.57 | 3.68 | 2.34 | 1.79 | 1.11 | 0.51 | 0.17 | 0.25 | 0.56 | 0.70 | 0.87 | 0.98 | 1.15 | 1.28 |
| 3.6 | 13.93 | 7.69 | 3.69 | 2.34 | 1.78 | 1.10 | 0.50 | 0.16 | 0.26 | 0.56 | 0.70 | 0.87 | 0.96 | 1.12 | 1.25 |
| 3.8 | 14.30 | 7.79 | 3.70 | 2.33 | 1.77 | 1.09 | 0.49 | 0.15 | 0.26 | 0.56 | 0.69 | 0.85 | 0.95 | 1.10 | 1.23 |
| 4.0 | 14.64 | 7.89 | 3.71 | 2.32 | 1.76 | 1.08 | 0.48 | 0.15 | 0.26 | 0.56 | 0.68 | 0.84 | 0.94 | 1.08 | 1.21 |
| 4.5 | 15.42 | 8.09 | 3.72 | 2.30 | 1.74 | 1.06 | 0.46 | 0.13 | 0.26 | 0.55 | 0.67 | 0.82 | 0.92 | 1.05 | 1.17 |
| 5.0 | 16.10 | 8.28 | 3.73 | 2.28 | 1.72 | 1.04 | 0.44 | 0.12 | 0.26 | 0.54 | 0.66 | 0.80 | 0.90 | 1.02 | 1.13 |
| 5.5 | 16.73 | 8.44 | 3.74 | 2.26 | 1.70 | 1.02 | 0.43 | 0.12 | 0.26 | 0.53 | 0.65 | 0.78 | 0.88 | 0.99 | 1.10 |

5 皮 尔 逊 III 型 曲 线

(一)

| P(%) | | | | | | | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| c _s | 0.001 | 0.002 | 0.005 | 0.01 | 0.1 | 0.2 | 0.33 | 0.5 | 1 | 2 | 3 | 5 | 10 | 20 | 25 | 30 | 40 |
| 0.0 | 4.26 | 4.21 | 3.89 | 3.72 | 3.09 | 2.88 | 2.71 | 2.58 | 2.33 | 2.05 | 1.88 | 1.64 | 1.28 | 0.84 | 0.67 | 0.52 | 0.25 |
| 0.1 | 4.56 | 4.38 | 4.13 | 3.94 | 3.23 | 3.00 | 2.82 | 2.67 | 2.40 | 2.11 | 1.92 | 1.67 | 1.29 | 0.84 | 0.66 | 0.51 | 0.24 |
| 0.2 | 4.85 | 4.65 | 4.37 | 4.16 | 3.38 | 3.12 | 2.92 | 2.76 | 2.47 | 2.16 | 1.96 | 1.70 | 1.30 | 0.83 | 0.65 | 0.50 | 0.22 |
| 0.3 | 5.15 | 4.92 | 4.61 | 4.38 | 3.52 | 3.24 | 3.03 | 2.86 | 2.54 | 2.21 | 2.00 | 1.73 | 1.31 | 0.82 | 0.64 | 0.48 | 0.20 |
| 0.4 | 5.45 | 5.20 | 4.86 | 4.61 | 3.67 | 3.37 | 3.14 | 2.95 | 2.62 | 2.26 | 2.04 | 1.75 | 1.32 | 0.82 | 0.63 | 0.47 | 0.19 |
| 0.5 | 5.76 | 5.49 | 5.11 | 4.83 | 3.81 | 3.49 | 3.25 | 3.04 | 2.68 | 2.31 | 2.08 | 1.77 | 1.32 | 0.81 | 0.62 | 0.46 | 0.17 |
| 0.6 | 6.07 | 5.77 | 5.36 | 5.05 | 3.96 | 3.61 | 3.35 | 3.13 | 2.75 | 2.35 | 2.12 | 1.80 | 1.33 | 0.80 | 0.61 | 0.44 | 0.16 |
| 0.7 | 6.39 | 6.06 | 5.61 | 5.28 | 4.10 | 3.73 | 3.45 | 3.22 | 2.82 | 2.40 | 2.15 | 1.82 | 1.33 | 0.79 | 0.59 | 0.43 | 0.14 |
| 0.8 | 6.71 | 6.34 | 5.87 | 5.50 | 4.24 | 3.85 | 3.55 | 3.31 | 2.89 | 2.45 | 2.18 | 1.84 | 1.34 | 0.78 | 0.58 | 0.41 | 0.12 |
| 0.9 | 7.02 | 6.63 | 6.12 | 5.73 | 4.39 | 3.97 | 3.65 | 3.40 | 2.96 | 2.50 | 2.22 | 1.86 | 1.34 | 0.77 | 0.57 | 0.40 | 0.11 |
| 1.0 | 7.33 | 6.92 | 6.38 | 5.96 | 4.53 | 4.09 | 3.76 | 3.49 | 3.02 | 2.54 | 2.25 | 1.88 | 1.34 | 0.76 | 0.55 | 0.38 | 0.09 |
| 1.1 | 7.65 | 7.21 | 6.63 | 6.18 | 4.67 | 4.21 | 3.86 | 3.58 | 3.09 | 2.58 | 2.28 | 1.89 | 1.34 | 0.74 | 0.54 | 0.36 | 0.07 |
| 1.2 | 7.97 | 7.50 | 6.89 | 6.41 | 4.82 | 4.32 | 3.95 | 3.66 | 3.15 | 2.62 | 2.31 | 1.91 | 1.34 | 0.73 | 0.52 | 0.35 | 0.05 |
| 1.3 | 8.29 | 7.80 | 7.14 | 6.64 | 4.96 | 4.44 | 4.05 | 3.74 | 3.21 | 2.67 | 2.34 | 1.92 | 1.34 | 0.72 | 0.51 | 0.33 | 0.04 |
| 1.4 | 8.61 | 8.09 | 7.39 | 6.87 | 5.10 | 4.55 | 4.15 | 3.83 | 3.27 | 2.71 | 2.37 | 1.94 | 1.33 | 0.71 | 0.49 | 0.31 | 0.02 |
| 1.5 | 8.91 | 8.38 | 7.65 | 7.09 | 5.23 | 4.68 | 4.24 | 3.91 | 3.33 | 2.74 | 2.39 | 1.95 | 1.33 | 0.69 | 0.47 | 0.30 | 0.00 |
| 1.6 | 9.25 | 8.67 | 7.90 | 7.31 | 5.37 | 4.80 | 4.34 | 3.99 | 3.39 | 2.78 | 2.42 | 1.96 | 1.33 | 0.68 | 0.46 | 0.28 | -0.02 |
| 1.7 | 9.56 | 8.96 | 8.15 | 7.54 | 5.51 | 4.91 | 4.43 | 4.07 | 3.44 | 2.82 | 2.44 | 1.97 | 1.32 | 0.66 | 0.44 | 0.26 | -0.03 |
| 1.8 | 9.88 | 9.25 | 8.40 | 7.76 | 5.64 | 5.01 | 4.52 | 4.15 | 3.50 | 2.85 | 2.46 | 1.98 | 1.32 | 0.64 | 0.42 | 0.24 | -0.05 |
| 1.9 | 10.20 | 9.53 | 8.65 | 7.98 | 5.78 | 5.12 | 4.61 | 4.23 | 3.55 | 2.88 | 2.49 | 1.99 | 1.31 | 0.63 | 0.40 | 0.22 | -0.07 |
| 2.0 | 10.51 | 9.82 | 8.90 | 8.21 | 5.91 | 5.22 | 4.70 | 4.30 | 3.61 | 2.91 | 2.51 | 2.00 | 1.30 | 0.61 | 0.39 | 0.20 | -0.08 |
| 2.1 | 10.83 | 10.11 | 9.15 | 8.43 | 6.04 | 5.33 | 4.79 | 4.37 | 3.66 | 2.93 | 2.53 | 2.00 | 1.29 | 0.59 | 0.37 | 0.19 | -0.10 |
| 2.2 | 11.14 | 10.39 | 9.40 | 8.65 | 6.17 | 5.43 | 4.88 | 4.44 | 3.71 | 2.96 | 2.55 | 2.00 | 1.28 | 0.57 | 0.35 | 0.17 | -0.11 |
| 2.3 | 11.46 | 10.67 | 9.65 | 8.87 | 6.30 | 5.53 | 4.97 | 4.51 | 3.76 | 2.99 | 2.56 | 2.00 | 1.27 | 0.55 | 0.33 | 0.15 | -0.13 |
| 2.4 | 11.77 | 10.96 | 9.89 | 9.08 | 6.42 | 5.63 | 5.05 | 4.58 | 3.81 | 3.02 | 2.57 | 2.01 | 1.26 | 0.54 | 0.31 | 0.13 | -0.15 |
| 2.5 | 12.08 | 11.24 | 10.13 | 9.30 | 6.55 | 5.73 | 5.13 | 4.65 | 3.85 | 3.04 | 2.59 | 2.01 | 1.25 | 0.52 | 0.29 | 0.11 | -0.16 |
| 2.6 | 12.39 | 11.52 | 10.38 | 9.51 | 6.67 | 5.82 | 5.20 | 4.72 | 3.89 | 3.06 | 2.60 | 2.01 | 1.23 | 0.50 | 0.27 | 0.09 | -0.17 |
| 2.7 | 12.70 | 11.80 | 10.62 | 9.72 | 6.79 | 5.92 | 5.28 | 4.78 | 3.93 | 3.09 | 2.61 | 2.01 | 1.22 | 0.48 | 0.25 | 0.08 | -0.18 |
| 2.8 | 13.00 | 12.08 | 10.86 | 9.93 | 6.92 | 6.01 | 5.36 | 4.84 | 3.97 | 3.11 | 2.62 | 2.01 | 1.21 | 0.46 | 0.23 | 0.06 | -0.20 |
| 2.9 | 13.31 | 12.35 | 11.09 | 10.14 | 7.03 | 6.10 | 5.44 | 4.90 | 4.01 | 3.13 | 2.63 | 2.01 | 1.20 | 0.44 | 0.21 | 0.04 | -0.21 |
| 3.0 | 13.61 | 12.63 | 11.33 | 10.35 | 7.15 | 6.20 | 5.51 | 4.96 | 4.05 | 3.15 | 2.64 | 2.00 | 1.18 | 0.42 | 0.19 | 0.03 | -0.23 |
| 3.1 | 13.92 | 12.90 | 11.57 | 10.56 | 7.26 | 6.30 | 5.59 | 5.02 | 4.08 | 3.17 | 2.64 | 2.00 | 1.16 | 0.40 | 0.17 | 0.01 | -0.24 |
| 3.2 | 14.22 | 13.17 | 11.80 | 10.77 | 7.38 | 6.39 | 5.66 | 5.08 | 4.12 | 3.19 | 2.65 | 2.00 | 1.14 | 0.38 | 0.15 | -0.01 | -0.25 |

的 离 均 系 数 Φ 值 表

| 50 | 60 | 70 | 75 | 80 | 85 | 90 | 95 | 97 | 99 | 99.9 | 99.99 | 100 | P(%) / c_s |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|----------|-----------------|
| 0.00 | -0.25 | -0.52 | -0.67 | -0.84 | -1.04 | -1.28 | -1.64 | -1.88 | -2.33 | -3.09 | -3.72 | ∞ | 0.0 |
| -0.02 | -0.27 | -0.53 | -0.68 | -0.85 | -1.04 | -1.27 | -1.62 | -1.84 | -2.25 | -2.95 | -3.51 | -20.0 | 0.1 |
| -0.03 | -0.28 | -0.55 | -0.69 | -0.85 | -1.03 | -1.26 | -1.59 | -1.79 | -2.18 | -2.81 | -3.30 | -10.0 | 0.2 |
| -0.05 | -0.30 | -0.56 | -0.70 | -0.85 | -1.03 | -1.24 | -1.55 | -1.75 | -2.10 | -2.67 | -3.10 | -6.67 | 0.3 |
| -0.07 | -0.31 | -0.57 | -0.71 | -0.85 | -1.03 | -1.23 | -1.52 | -1.70 | -2.03 | -2.54 | -2.90 | -5.00 | 0.4 |
| -0.08 | -0.33 | -0.58 | -0.71 | -0.85 | -1.02 | -1.22 | -1.49 | -1.66 | -1.96 | -2.40 | -2.71 | -4.00 | 0.5 |
| -0.10 | -0.34 | -0.59 | -0.72 | -0.85 | -1.02 | -1.20 | -1.45 | -1.61 | -1.88 | -2.27 | -2.53 | -3.33 | 0.6 |
| -0.12 | -0.36 | -0.60 | -0.72 | -0.85 | -1.01 | -1.18 | -1.42 | -1.57 | -1.81 | -2.14 | -2.35 | -2.86 | 0.7 |
| -0.13 | -0.37 | -0.60 | -0.73 | -0.85 | -1.00 | -1.17 | -1.38 | -1.52 | -1.74 | -2.02 | -2.18 | -2.50 | 0.8 |
| -0.15 | -0.38 | -0.61 | -0.73 | -0.85 | -0.99 | -1.15 | -1.35 | -1.47 | -1.66 | -1.90 | -2.03 | -2.22 | 0.9 |
| -0.16 | -0.39 | -0.62 | -0.73 | -0.85 | -0.98 | -1.13 | -1.32 | -1.42 | -1.59 | -1.79 | -1.88 | -2.00 | 1.0 |
| -0.18 | -0.41 | -0.62 | -0.74 | -0.85 | -0.97 | -1.10 | -1.28 | -1.38 | -1.52 | -1.68 | -1.75 | -1.82 | 1.1 |
| -0.19 | -0.42 | -0.63 | -0.74 | -0.84 | -0.96 | -1.08 | -1.24 | -1.33 | -1.45 | -1.58 | -1.63 | -1.67 | 1.2 |
| -0.21 | -0.43 | -0.63 | -0.74 | -0.84 | -0.95 | -1.06 | -1.20 | -1.28 | -1.38 | -1.48 | -1.52 | -1.54 | 1.3 |
| -0.22 | -0.44 | -0.64 | -0.73 | -0.83 | -0.93 | -1.04 | -1.17 | -1.23 | -1.32 | -1.39 | -1.42 | -1.43 | 1.4 |
| -0.24 | -0.45 | -0.64 | -0.73 | -0.82 | -0.92 | -1.02 | -1.13 | -1.19 | -1.26 | -1.31 | -1.33 | -1.33 | 1.5 |
| -0.25 | -0.46 | -0.64 | -0.73 | -0.81 | -0.90 | -0.99 | -1.10 | -1.14 | -1.20 | -1.24 | -1.25 | -1.25 | 1.6 |
| -0.27 | -0.47 | -0.64 | -0.72 | -0.81 | -0.89 | -0.97 | -1.06 | -1.10 | -1.14 | -1.17 | -1.18 | -1.18 | 1.7 |
| -0.28 | -0.48 | -0.64 | -0.72 | -0.80 | -0.87 | -0.94 | -1.02 | -1.06 | -1.09 | -1.11 | -1.11 | -1.11 | 1.8 |
| -0.29 | -0.48 | -0.64 | -0.72 | -0.79 | -0.85 | -0.92 | -0.98 | -1.01 | -1.04 | -1.05 | -1.05 | -1.05 | 1.9 |
| -0.31 | -0.49 | -0.64 | -0.71 | -0.78 | -0.84 | -0.895 | -0.949 | -0.970 | -0.989 | -0.999 | -1.000 | -1.000 | 2.0 |
| -0.32 | -0.49 | -0.64 | -0.71 | -0.76 | -0.82 | -0.869 | -0.914 | -0.935 | -0.945 | -0.952 | -0.952 | -0.952 | 2.1 |
| -0.33 | -0.50 | -0.64 | -0.70 | -0.75 | -0.80 | -0.844 | -0.879 | -0.900 | -0.905 | -0.909 | -0.909 | -0.909 | 2.2 |
| -0.34 | -0.50 | -0.64 | -0.69 | -0.74 | -0.78 | -0.820 | -0.849 | -0.865 | -0.867 | -0.870 | -0.870 | -0.870 | 2.3 |
| -0.35 | -0.51 | -0.63 | -0.68 | -0.72 | -0.77 | -0.795 | -0.820 | -0.830 | -0.831 | -0.833 | -0.833 | -0.833 | 2.4 |
| -0.36 | -0.51 | -0.63 | -0.67 | -0.71 | -0.75 | -0.772 | -0.791 | -0.800 | -0.800 | -0.800 | -0.800 | -0.800 | 2.5 |
| -0.37 | -0.51 | -0.62 | -0.66 | -0.70 | -0.73 | -0.748 | -0.764 | -0.769 | -0.769 | -0.769 | -0.769 | -0.769 | 2.6 |
| -0.37 | -0.51 | -0.61 | -0.65 | -0.68 | -0.71 | -0.726 | -0.736 | -0.740 | -0.740 | -0.741 | -0.741 | -0.741 | 2.7 |
| -0.38 | -0.51 | -0.61 | -0.64 | -0.67 | -0.69 | -0.702 | -0.710 | -0.714 | -0.714 | -0.714 | -0.714 | -0.714 | 2.8 |
| -0.39 | -0.51 | -0.60 | -0.63 | -0.66 | -0.67 | -0.680 | -0.687 | -0.690 | -0.690 | -0.690 | -0.690 | -0.690 | 2.9 |
| -0.39 | -0.51 | -0.59 | -0.62 | -0.64 | -0.65 | -0.658 | -0.665 | -0.667 | -0.667 | -0.667 | -0.667 | -0.667 | 3.0 |
| -0.40 | -0.51 | -0.58 | -0.60 | -0.62 | -0.63 | -0.639 | -0.644 | -0.645 | -0.645 | -0.645 | -0.645 | -0.645 | 3.1 |
| -0.40 | -0.51 | -0.57 | -0.59 | -0.61 | -0.62 | -0.621 | -0.625 | -0.625 | -0.625 | -0.625 | -0.625 | -0.625 | 3.2 |

| c _s | P(%) | | | | | | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| | 0.001 | 0.002 | 0.005 | 0.01 | 0.1 | 0.2 | 0.33 | 0.5 | 1 | 2 | 3 | 5 | 10 | 20 | 25 | 30 | 40 |
| 3.3 | 14.52 | 13.44 | 12.03 | 10.97 | 7.49 | 6.48 | 5.74 | 5.14 | 4.15 | 3.21 | 2.65 | 1.99 | 1.12 | 0.36 | 0.14 | -0.02 | -0.26 |
| 3.4 | 14.81 | 13.71 | 12.26 | 11.17 | 7.60 | 6.56 | 5.80 | 5.20 | 4.18 | 3.22 | 2.65 | 1.98 | 1.11 | 0.34 | 0.12 | -0.04 | -0.27 |
| 3.5 | 15.11 | 13.98 | 12.49 | 11.37 | 7.72 | 6.65 | 5.86 | 5.25 | 4.22 | 3.23 | 2.65 | 1.97 | 1.09 | 0.32 | 0.10 | -0.06 | -0.28 |
| 3.6 | 15.41 | 14.25 | 12.72 | 11.57 | 7.83 | 6.73 | 5.93 | 5.30 | 4.25 | 3.24 | 2.66 | 1.96 | 1.08 | 0.30 | 0.09 | -0.07 | -0.29 |
| 3.7 | 15.70 | 14.51 | 12.95 | 11.77 | 7.94 | 6.81 | 5.99 | 5.35 | 4.28 | 3.25 | 2.66 | 1.95 | 1.06 | 0.28 | 0.07 | -0.09 | -0.29 |
| 3.8 | 16.00 | 14.78 | 13.17 | 11.97 | 8.05 | 6.89 | 6.05 | 5.40 | 4.31 | 3.26 | 2.66 | 1.94 | 1.04 | 0.26 | 0.06 | -0.10 | -0.30 |
| 3.9 | 16.29 | 15.04 | 13.40 | 12.16 | 8.15 | 6.97 | 6.11 | 5.45 | 4.34 | 3.27 | 2.66 | 1.93 | 1.02 | 0.24 | 0.04 | -0.11 | -0.30 |
| 4.0 | 16.58 | 15.30 | 13.62 | 12.36 | 8.25 | 7.05 | 6.18 | 5.50 | 4.37 | 3.27 | 2.66 | 1.92 | 1.00 | 0.23 | 0.02 | -0.13 | -0.31 |
| 4.1 | 16.87 | 15.56 | 13.84 | 12.55 | 8.35 | 7.13 | 6.24 | 5.54 | 4.39 | 3.28 | 2.66 | 1.91 | 0.98 | 0.21 | 0.00 | -0.14 | -0.32 |
| 4.2 | 17.16 | 15.82 | 14.06 | 12.74 | 8.45 | 7.21 | 6.30 | 5.59 | 4.41 | 3.29 | 2.65 | 1.90 | 0.96 | 0.19 | -0.02 | -0.15 | -0.32 |
| 4.3 | 17.44 | 16.07 | 14.28 | 12.93 | 8.55 | 7.29 | 6.36 | 5.63 | 4.44 | 3.29 | 2.65 | 1.88 | 0.94 | 0.17 | -0.03 | -0.16 | -0.33 |
| 4.4 | 17.72 | 16.33 | 14.49 | 13.12 | 8.65 | 7.36 | 6.41 | 5.68 | 4.46 | 3.30 | 2.65 | 1.87 | 0.92 | 0.16 | -0.04 | -0.17 | -0.33 |
| 4.5 | 18.01 | 16.58 | 14.71 | 13.30 | 8.75 | 7.43 | 6.46 | 5.72 | 4.48 | 3.30 | 2.64 | 1.85 | 0.90 | 0.14 | -0.05 | -0.18 | -0.33 |
| 4.6 | 18.29 | 16.83 | 14.92 | 13.49 | 8.85 | 7.50 | 6.52 | 5.76 | 4.50 | 3.30 | 2.63 | 1.84 | 0.88 | 0.13 | -0.06 | -0.18 | -0.33 |
| 4.7 | 18.57 | 17.09 | 15.14 | 13.67 | 8.95 | 7.56 | 6.57 | 5.80 | 4.52 | 3.30 | 2.62 | 1.82 | 0.86 | 0.11 | -0.07 | -0.19 | -0.33 |
| 4.8 | 18.85 | 17.34 | 15.35 | 13.85 | 9.04 | 7.63 | 6.63 | 5.84 | 4.54 | 3.30 | 2.61 | 1.80 | 0.84 | 0.09 | -0.08 | -0.20 | -0.33 |
| 4.9 | 19.13 | 17.58 | 15.56 | 14.04 | 9.13 | 7.70 | 6.68 | 5.88 | 4.55 | 3.30 | 2.60 | 1.78 | 0.82 | 0.08 | -0.10 | -0.21 | -0.33 |
| 5.0 | 19.41 | 17.83 | 15.77 | 14.22 | 9.22 | 7.77 | 6.73 | 5.92 | 4.57 | 3.30 | 2.60 | 1.77 | 0.80 | 0.06 | -0.11 | -0.22 | -0.33 |
| 5.1 | 19.68 | 18.08 | 15.97 | 14.40 | 9.31 | 7.84 | 6.78 | 5.95 | 4.58 | 3.30 | 2.59 | 1.75 | 0.78 | 0.05 | -0.12 | -0.22 | -0.32 |
| 5.2 | 19.95 | 18.32 | 16.18 | 14.57 | 9.40 | 7.90 | 6.83 | 5.99 | 4.59 | 3.30 | 2.58 | 1.73 | 0.76 | 0.03 | -0.13 | -0.22 | -0.32 |
| 5.3 | 20.22 | 18.57 | 16.39 | 14.75 | 9.49 | 7.96 | 6.87 | 6.02 | 4.60 | 3.30 | 2.57 | 1.72 | 0.74 | 0.02 | -0.14 | -0.22 | -0.32 |
| 5.4 | 20.50 | 18.81 | 16.59 | 14.92 | 9.57 | 8.02 | 6.91 | 6.05 | 4.62 | 3.29 | 2.56 | 1.70 | 0.72 | 0.00 | -0.14 | -0.23 | -0.32 |
| 5.5 | 20.76 | 19.05 | 16.79 | 15.10 | 9.66 | 8.08 | 6.96 | 6.08 | 4.63 | 3.28 | 2.55 | 1.68 | 0.70 | -0.01 | -0.15 | -0.23 | -0.32 |
| 5.6 | 21.03 | 19.29 | 16.99 | 15.27 | 9.74 | 8.14 | 7.00 | 6.11 | 4.64 | 3.28 | 2.53 | 1.66 | 0.67 | -0.03 | -0.16 | -0.24 | -0.32 |
| 5.7 | 21.31 | 19.53 | 17.19 | 15.45 | 9.82 | 8.21 | 7.04 | 6.14 | 4.65 | 3.27 | 2.52 | 1.65 | 0.65 | -0.04 | -0.17 | -0.24 | -0.32 |
| 5.8 | 21.58 | 19.76 | 17.39 | 15.62 | 9.91 | 8.27 | 7.08 | 6.17 | 4.67 | 3.27 | 2.51 | 1.63 | 0.63 | -0.05 | -0.18 | -0.25 | -0.32 |
| 5.9 | 21.84 | 20.00 | 17.59 | 15.78 | 9.99 | 8.32 | 7.12 | 6.20 | 4.68 | 3.26 | 2.49 | 1.61 | 0.61 | -0.06 | -0.18 | -0.25 | -0.31 |
| 6.0 | 22.10 | 20.24 | 17.79 | 15.94 | 10.07 | 8.38 | 7.15 | 6.23 | 4.68 | 3.25 | 2.48 | 1.59 | 0.59 | -0.07 | -0.19 | -0.25 | -0.31 |
| 6.1 | 22.37 | 20.47 | 17.98 | 16.11 | 10.15 | 8.43 | 7.19 | 6.26 | 4.69 | 3.24 | 2.46 | 1.57 | 0.57 | -0.08 | -0.19 | -0.26 | -0.31 |
| 6.2 | 22.63 | 20.70 | 18.18 | 16.28 | 10.22 | 8.49 | 7.23 | 6.28 | 4.70 | 3.23 | 2.45 | 1.55 | 0.55 | -0.09 | -0.20 | -0.26 | -0.30 |
| 6.3 | 22.89 | 20.93 | 18.37 | 16.45 | 10.30 | 8.54 | 7.26 | 6.30 | 4.70 | 3.22 | 2.43 | 1.53 | 0.53 | -0.10 | -0.20 | -0.26 | -0.30 |
| 6.4 | 23.15 | 21.16 | 18.56 | 16.61 | 10.38 | 8.60 | 7.30 | 6.32 | 4.71 | 3.21 | 2.41 | 1.51 | 0.51 | -0.11 | -0.21 | -0.26 | -0.30 |

续表 5 (一)

| 50 | 60 | 70 | 75 | 80 | 85 | 90 | 95 | 97 | 99 | 99.9 | 99.99 | 100 | P(%) C _s |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------------|
| -0.40 | -0.50 | -0.56 | -0.58 | -0.59 | -0.60 | -0.604 | -0.606 | -0.606 | -0.606 | -0.606 | -0.606 | -0.606 | 3.3 |
| -0.41 | -0.50 | -0.55 | -0.57 | -0.58 | -0.58 | -0.587 | -0.588 | -0.588 | -0.588 | -0.588 | -0.588 | -0.588 | 3.4 |
| -0.41 | -0.50 | -0.54 | -0.55 | -0.56 | -0.56 | -0.570 | -0.571 | -0.571 | -0.571 | -0.571 | -0.571 | -0.571 | 3.5 |
| -0.41 | -0.49 | -0.53 | -0.54 | -0.55 | -0.552 | -0.555 | -0.556 | -0.556 | -0.556 | -0.556 | -0.556 | -0.556 | 3.6 |
| -0.42 | -0.48 | -0.52 | -0.53 | -0.535 | -0.537 | -0.540 | -0.541 | -0.541 | -0.541 | -0.541 | -0.541 | -0.541 | 3.7 |
| -0.42 | -0.48 | -0.51 | -0.52 | -0.522 | -0.524 | -0.525 | -0.526 | -0.526 | -0.526 | -0.526 | -0.526 | -0.526 | 3.8 |
| -0.41 | -0.47 | -0.50 | -0.506 | -0.510 | -0.511 | -0.512 | -0.513 | -0.513 | -0.513 | -0.513 | -0.513 | -0.513 | 3.9 |
| -0.41 | -0.46 | -0.49 | -0.495 | -0.498 | -0.499 | -0.500 | -0.500 | -0.500 | -0.500 | -0.500 | -0.500 | -0.500 | 4.0 |
| -0.41 | -0.46 | -0.48 | -0.484 | -0.486 | -0.487 | -0.488 | -0.488 | -0.488 | -0.488 | -0.488 | -0.488 | -0.488 | 4.1 |
| -0.41 | -0.45 | -0.47 | -0.473 | -0.475 | -0.476 | -0.476 | -0.476 | -0.476 | -0.476 | -0.476 | -0.476 | -0.476 | 4.2 |
| -0.41 | -0.44 | -0.46 | -0.462 | -0.464 | -0.464 | -0.465 | -0.465 | -0.465 | -0.465 | -0.465 | -0.465 | -0.465 | 4.3 |
| -0.40 | -0.44 | -0.45 | -0.453 | -0.454 | -0.454 | -0.455 | -0.455 | -0.455 | -0.455 | -0.455 | -0.455 | -0.455 | 4.4 |
| -0.40 | -0.43 | -0.44 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | -0.444 | 4.5 |
| -0.40 | -0.42 | -0.43 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | -0.435 | 4.6 |
| -0.39 | -0.42 | -0.42 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | -0.426 | 4.7 |
| -0.39 | -0.41 | -0.41 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | -0.417 | 4.8 |
| -0.38 | -0.40 | -0.40 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | -0.408 | 4.9 |
| -0.379 | -0.395 | -0.399 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | -0.400 | 5.0 |
| -0.374 | -0.387 | -0.391 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | -0.392 | 5.1 |
| -0.369 | -0.380 | -0.384 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | -0.385 | 5.2 |
| -0.363 | -0.373 | -0.376 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | -0.377 | 5.3 |
| -0.358 | -0.366 | -0.369 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | -0.370 | 5.4 |
| -0.353 | -0.360 | -0.363 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | -0.364 | 5.5 |
| -0.349 | -0.355 | -0.356 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | -0.357 | 5.6 |
| -0.344 | -0.349 | -0.350 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | -0.351 | 5.7 |
| -0.339 | -0.344 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | -0.345 | 5.8 |
| -0.334 | -0.338 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | -0.339 | 5.9 |
| -0.329 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | -0.333 | 6.0 |
| -0.325 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | -0.328 | 6.1 |
| -0.320 | -0.322 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | -0.323 | 6.2 |
| -0.315 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | -0.317 | 6.3 |
| -0.311 | -0.312 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | -0.313 | 6.4 |

皮尔逊Ⅲ型曲线的高均系数Φ值表 (二)

| P(%) | C _s | | | | | | | | | | P(%) | | | | | | | | | |
|------|----------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|
| | 0.01 | 0.1 | 0.2 | 0.5 | 1 | 2 | 5 | 10 | 20 | 30 | | 40 | 50 | 70 | 80 | 90 | 95 | 99 | 99.9 | 99.99 |
| -0.1 | 3.51 | 2.95 | 2.76 | 2.48 | 2.25 | 2.00 | 1.62 | 1.27 | 0.85 | 0.54 | 0.27 | 0.02 | -0.51 | -0.84 | -1.29 | -1.67 | -2.40 | -3.23 | -3.93 | -0.1 |
| -0.2 | 3.30 | 2.81 | 2.63 | 2.39 | 2.18 | 1.94 | 1.59 | 1.26 | 0.85 | 0.55 | 0.28 | 0.03 | -0.50 | -0.83 | -1.30 | -1.70 | -2.47 | -3.38 | -4.15 | -0.2 |
| -0.3 | 3.10 | 2.67 | 2.52 | 2.29 | 2.10 | 1.89 | 1.56 | 1.25 | 0.85 | 0.56 | 0.30 | 0.05 | -0.49 | -0.82 | -1.31 | -1.73 | -2.54 | -3.52 | -4.37 | -0.3 |
| -0.4 | 2.90 | 2.53 | 2.40 | 2.20 | 2.03 | 1.83 | 1.52 | 1.23 | 0.86 | 0.57 | 0.31 | 0.07 | -0.47 | -0.82 | -1.32 | -1.75 | -2.62 | -3.67 | -4.60 | -0.4 |
| -0.5 | 2.71 | 2.40 | 2.28 | 2.11 | 1.95 | 1.78 | 1.49 | 1.22 | 0.86 | 0.58 | 0.33 | 0.08 | -0.46 | -0.81 | -1.32 | -1.77 | -2.69 | -3.81 | -4.82 | -0.5 |
| -0.6 | 2.53 | 2.27 | 2.17 | 2.02 | 1.88 | 1.72 | 1.46 | 1.20 | 0.86 | 0.59 | 0.34 | 0.10 | -0.44 | -0.80 | -1.33 | -1.80 | -2.76 | -3.96 | -5.05 | -0.6 |
| -0.7 | 2.35 | 2.14 | 2.06 | 1.93 | 1.81 | 1.66 | 1.42 | 1.18 | 0.86 | 0.60 | 0.35 | 0.12 | -0.43 | -0.79 | -1.33 | -1.82 | -2.82 | -4.10 | -5.27 | -0.7 |
| -0.8 | 2.18 | 2.02 | 1.95 | 1.84 | 1.73 | 1.61 | 1.39 | 1.17 | 0.86 | 0.60 | 0.37 | 0.13 | -0.41 | -0.78 | -1.34 | -1.84 | -2.89 | -4.24 | -5.50 | -0.8 |
| -0.9 | 2.03 | 1.90 | 1.84 | 1.75 | 1.66 | 1.55 | 1.35 | 1.15 | 0.85 | 0.61 | 0.38 | 0.15 | -0.40 | -0.77 | -1.34 | -1.86 | -2.96 | -4.39 | -5.73 | -0.9 |
| -1.0 | 1.88 | 1.79 | 1.74 | 1.66 | 1.59 | 1.49 | 1.32 | 1.13 | 0.85 | 0.62 | 0.39 | 0.16 | -0.38 | -0.76 | -1.34 | -1.88 | -3.02 | -4.53 | -5.96 | -1.0 |
| -1.1 | 1.75 | 1.68 | 1.64 | 1.58 | 1.52 | 1.44 | 1.28 | 1.11 | 0.85 | 0.62 | 0.41 | 0.18 | -0.36 | -0.75 | -1.34 | -1.89 | -3.09 | -4.67 | -6.18 | -1.1 |
| -1.2 | 1.63 | 1.58 | 1.55 | 1.50 | 1.45 | 1.38 | 1.24 | 1.09 | 0.84 | 0.63 | 0.42 | 0.20 | -0.35 | -0.73 | -1.34 | -1.91 | -3.15 | -4.81 | -6.41 | -1.2 |
| -1.3 | 1.52 | 1.48 | 1.46 | 1.42 | 1.38 | 1.32 | 1.21 | 1.08 | 0.84 | 0.63 | 0.43 | 0.21 | -0.33 | -0.72 | -1.34 | -1.92 | -3.21 | -4.96 | -6.64 | -1.3 |
| -1.4 | 1.42 | 1.39 | 1.38 | 1.35 | 1.32 | 1.27 | 1.17 | 1.04 | 0.83 | 0.64 | 0.44 | 0.23 | -0.31 | -0.71 | -1.34 | -1.94 | -3.27 | -5.10 | -6.87 | -1.4 |
| -1.5 | 1.33 | 1.31 | 1.30 | 1.28 | 1.26 | 1.22 | 1.13 | 1.02 | 0.83 | 0.64 | 0.45 | 0.24 | -0.30 | -0.69 | -1.33 | -1.95 | -3.33 | -5.23 | -7.09 | -1.5 |
| -1.6 | 1.25 | 1.24 | 1.23 | 1.22 | 1.20 | 1.17 | 1.08 | 0.99 | 0.82 | 0.64 | 0.46 | 0.25 | -0.28 | -0.68 | -1.33 | -1.96 | -3.39 | -5.37 | -7.32 | -1.6 |
| -1.7 | 1.18 | 1.17 | 1.17 | 1.15 | 1.14 | 1.12 | 1.06 | 0.97 | 0.81 | 0.64 | 0.47 | 0.27 | -0.26 | -0.66 | -1.32 | -1.97 | -3.44 | -5.51 | -7.54 | -1.7 |
| -1.8 | 1.11 | 1.11 | 1.10 | 1.10 | 1.09 | 1.07 | 1.02 | 0.94 | 0.80 | 0.64 | 0.48 | 0.28 | -0.24 | -0.64 | -1.32 | -1.98 | -3.50 | -5.64 | -7.77 | -1.8 |
| -1.9 | 1.05 | 1.05 | 1.05 | 1.04 | 1.04 | 1.02 | 0.98 | 0.92 | 0.79 | 0.64 | 0.48 | 0.29 | -0.22 | -0.63 | -1.31 | -1.99 | -3.55 | -5.78 | -7.99 | -1.9 |
| -2.0 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.89 | 0.78 | 0.64 | 0.49 | 0.31 | -0.20 | -0.61 | -1.30 | -2.00 | -3.61 | -5.91 | -8.21 | -2.0 |
| -2.1 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.91 | 0.87 | 0.76 | 0.64 | 0.49 | 0.32 | -0.19 | -0.59 | -1.29 | -2.00 | -3.66 | -6.04 | -8.43 | -2.1 |
| -2.2 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.88 | 0.84 | 0.75 | 0.64 | 0.50 | 0.33 | -0.17 | -0.57 | -1.28 | -2.01 | -3.71 | -6.17 | -8.65 | -2.2 |
| -2.3 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.85 | 0.82 | 0.77 | 0.68 | 0.63 | 0.50 | 0.34 | -0.15 | -0.56 | -1.27 | -2.01 | -3.75 | -6.30 | -8.87 | -2.3 |
| -2.4 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.82 | 0.79 | 0.72 | 0.63 | 0.51 | 0.35 | -0.13 | -0.54 | -1.26 | -2.01 | -3.80 | -6.42 | -9.08 | -2.4 |
| -2.5 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.77 | 0.71 | 0.62 | 0.51 | 0.36 | -0.11 | -0.52 | -1.25 | -2.01 | -3.85 | -6.55 | -9.30 | -2.5 |
| -2.6 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.76 | 0.75 | 0.70 | 0.62 | 0.51 | 0.37 | -0.09 | -0.50 | -1.23 | -2.01 | -3.89 | -6.67 | -9.51 | -2.6 |
| -2.7 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.72 | 0.68 | 0.61 | 0.51 | 0.38 | -0.08 | -0.48 | -1.22 | -2.01 | -3.93 | -6.79 | -9.73 | -2.7 |
| -2.8 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.67 | 0.60 | 0.51 | 0.38 | -0.06 | -0.46 | -1.21 | -2.01 | -3.97 | -6.92 | -9.94 | -2.8 |
| -2.9 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.68 | 0.65 | 0.60 | 0.51 | 0.39 | -0.04 | -0.44 | -1.20 | -2.01 | -4.01 | -7.03 | -10.15 | -2.9 |
| -3.0 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.64 | 0.59 | 0.51 | 0.40 | -0.02 | -0.42 | -1.18 | -2.00 | -4.05 | -7.15 | -10.35 | -3.0 |
| -3.1 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.62 | 0.58 | 0.51 | 0.40 | -0.01 | -0.40 | -1.16 | -2.00 | -4.09 | -7.27 | -10.56 | -3.1 |
| -3.2 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.62 | 0.61 | 0.57 | 0.51 | 0.40 | 0.01 | -0.38 | -1.15 | -2.00 | -4.12 | -7.38 | -10.77 | -3.2 |
| -3.3 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.60 | 0.59 | 0.56 | 0.50 | 0.40 | 0.03 | -0.36 | -1.13 | -2.00 | -4.16 | -7.50 | -10.97 | -3.3 |
| -3.4 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.58 | 0.55 | 0.50 | 0.41 | 0.04 | -0.34 | -1.11 | -1.98 | -4.19 | -7.61 | -11.17 | -3.4 |
| -3.5 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.56 | 0.54 | 0.49 | 0.41 | 0.06 | -0.32 | -1.10 | -1.97 | -4.22 | -7.72 | -11.37 | -3.5 |

续表 5 (二)

| P(%) | P(%) | | | | | | | | | | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|--------|------|----------------|
| | 0.01 | 0.1 | 0.2 | 0.5 | 1 | 2 | 5 | 10 | 20 | 30 | 40 | 50 | 70 | 80 | 90 | 95 | 99 | 99.9 | 99.99 | P(%) | |
| C _s | | | | | | | | | | | | | | | | | | | | | C _s |
| -3.6 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.53 | 0.49 | 0.41 | 0.07 | -0.30 | -1.08 | -1.96 | -4.26 | -7.83 | -11.57 | -3.6 | |
| -3.7 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.52 | 0.47 | 0.41 | 0.09 | -0.28 | -1.06 | -1.95 | -4.29 | -7.94 | -11.77 | -3.7 | |
| -3.8 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.51 | 0.46 | 0.41 | 0.10 | -0.26 | -1.04 | -1.94 | -4.31 | -8.04 | -11.97 | -3.8 | |
| -3.9 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.50 | 0.47 | 0.41 | 0.11 | -0.24 | -1.02 | -1.93 | -4.34 | -8.15 | -12.16 | -3.9 | |
| -4.0 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.49 | 0.46 | 0.41 | 0.13 | -0.23 | -1.00 | -1.92 | -4.37 | -8.25 | -12.36 | -4.0 | |
| -4.1 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.46 | 0.41 | 0.14 | -0.21 | -0.98 | -1.91 | -4.39 | -8.36 | -12.55 | -4.1 | |
| -4.2 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.47 | 0.45 | 0.41 | 0.15 | -0.19 | -0.96 | -1.90 | -4.42 | -8.46 | -12.74 | -4.2 | |
| -4.3 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.44 | 0.41 | 0.16 | -0.17 | -0.94 | -1.88 | -4.44 | -8.56 | -12.93 | -4.3 | |
| -4.4 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.40 | 0.17 | -0.15 | -0.92 | -1.87 | -4.46 | -8.65 | -13.12 | -4.4 | |
| -4.5 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.40 | 0.18 | -0.14 | -0.90 | -1.85 | -4.48 | -8.75 | -13.31 | -4.5 | |
| -4.6 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.40 | 0.19 | -0.12 | -0.88 | -1.84 | -4.50 | -8.85 | -13.49 | -4.6 | |
| -4.7 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.39 | 0.20 | -0.10 | -0.86 | -1.82 | -4.52 | -8.94 | -13.67 | -4.7 | |
| -4.8 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.39 | 0.20 | -0.09 | -0.84 | -1.81 | -4.54 | -9.04 | -13.86 | -4.8 | |
| -4.9 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 | 0.38 | 0.21 | -0.07 | -0.82 | -1.79 | -4.56 | -9.13 | -14.04 | -4.9 | |
| -5.0 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.38 | 0.22 | -0.06 | -0.80 | -1.77 | -4.57 | -9.22 | -14.22 | -5.0 | |
| -5.1 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.37 | 0.22 | -0.04 | -0.77 | -1.76 | -4.59 | -9.31 | -14.40 | -5.1 | |
| -5.2 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.23 | -0.03 | -0.75 | -1.74 | -4.60 | -9.40 | -14.58 | -5.2 | |
| -5.3 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.36 | 0.24 | -0.02 | -0.73 | -1.72 | -4.62 | -9.49 | -14.75 | -5.3 | |
| -5.4 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.36 | 0.24 | -0.00 | -0.71 | -1.70 | -4.63 | -9.57 | -14.93 | -5.4 | |
| -5.5 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.24 | -0.01 | -0.69 | -1.68 | -4.64 | -9.66 | -15.10 | -5.5 | |
| -5.6 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.25 | 0.02 | -0.67 | -1.66 | -4.65 | -9.74 | -15.28 | -5.6 | |
| -5.7 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.25 | 0.03 | -0.65 | -1.64 | -4.66 | -9.83 | -15.45 | -5.7 | |
| -5.8 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.25 | 0.05 | -0.63 | -1.62 | -4.67 | -9.91 | -15.62 | -5.8 | |
| -5.9 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.26 | 0.06 | -0.61 | -1.61 | -4.68 | -9.99 | -15.79 | -5.9 | |
| -6.0 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.26 | 0.07 | -0.59 | -1.59 | -4.69 | -10.07 | -15.96 | -6.0 | |
| -6.1 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.26 | 0.08 | -0.57 | -1.57 | -4.69 | -10.15 | -16.12 | -6.1 | |
| -6.2 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.26 | 0.09 | -0.55 | -1.54 | -4.70 | -10.22 | -16.29 | -6.2 | |
| -6.3 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.26 | 0.09 | -0.53 | -1.52 | -4.71 | -10.30 | -16.45 | -6.3 | |
| -6.4 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.26 | 0.10 | -0.51 | -1.50 | -4.71 | -10.38 | -16.62 | -6.4 | |
| -6.5 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.26 | 0.11 | -0.49 | -1.48 | -4.71 | -10.45 | -16.78 | -6.5 | |
| -6.6 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.26 | 0.12 | -0.47 | -1.46 | -4.72 | -10.53 | -16.94 | -6.6 | |
| -6.7 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.26 | 0.13 | -0.45 | -1.44 | -4.72 | -10.60 | -17.10 | -6.7 | |
| -6.8 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.26 | 0.13 | -0.44 | -1.42 | -4.72 | -10.67 | -17.26 | -6.8 | |
| -6.9 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.26 | 0.14 | -0.42 | -1.40 | -4.73 | -10.74 | -17.42 | -6.9 | |
| -7.0 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.26 | 0.14 | -0.40 | -1.38 | -4.73 | -10.81 | -17.58 | -7.0 | |

续表 5 (二)

| P(%) C _s | P(%) | | | | | | | | | | | | | | | P(%) C _s | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------|-------|--------|--------|-------|
| | 0.01 | 0.1 | 0.2 | 0.5 | 1 | 2 | 5 | 10 | 20 | 30 | 40 | 50 | 70 | 80 | 90 | | 95 | 99 | 99.9 | 99.99 |
| -7.1 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.38 | -1.36 | -4.73 | -10.88 | -17.74 | -7.1 |
| -7.2 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | -0.37 | -1.33 | -4.73 | -10.95 | -17.89 | -7.2 |
| -7.3 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | -0.35 | -1.31 | -4.73 | -11.02 | -18.05 | -7.3 |
| -7.4 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | -0.33 | -1.29 | -4.72 | -11.09 | -18.20 | -7.4 |
| -7.5 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | -0.32 | -1.27 | -4.72 | -11.15 | -18.35 | -7.5 |
| -7.6 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | -0.30 | -1.25 | -4.72 | -11.22 | -18.50 | -7.6 |
| -7.7 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | -0.28 | -1.23 | -4.72 | -11.28 | -18.66 | -7.7 |
| -7.8 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | -0.27 | -1.21 | -4.71 | -11.34 | -18.81 | -7.8 |
| -7.9 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.18 | -0.25 | -1.18 | -4.71 | -11.41 | -18.95 | -7.9 |
| -8.0 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.18 | -0.24 | -1.16 | -4.71 | -11.47 | -19.11 | -8.0 |
| -8.1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.18 | -0.22 | -1.14 | -4.70 | -11.53 | -19.25 | -8.1 |
| -8.2 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.19 | -0.21 | -1.12 | -4.69 | -11.59 | -19.40 | -8.2 |
| -8.3 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.19 | -0.20 | -1.10 | -4.69 | -11.65 | -19.54 | -8.3 |
| -8.4 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.19 | -0.18 | -1.08 | -4.68 | -11.71 | -19.68 | -8.4 |
| -8.5 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.19 | -0.17 | -1.06 | -4.68 | -11.77 | -19.83 | -8.5 |
| -8.6 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.19 | -0.16 | -1.04 | -4.67 | -11.82 | -19.97 | -8.6 |
| -8.7 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.19 | -0.15 | -1.02 | -4.66 | -11.88 | -20.11 | -8.7 |
| -8.8 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 | 0.19 | -0.13 | -1.00 | -4.65 | -11.94 | -20.25 | -8.8 |
| -8.9 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.19 | -0.12 | -0.97 | -4.64 | -11.99 | -20.39 | -8.9 |
| -9.0 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.19 | -0.11 | -0.95 | -4.64 | -12.04 | -20.53 | -9.0 |

6 皮尔逊Ⅱ型曲线的模比系数 K_p 值表

(一) $C_s = 2 C_v$

| P(%) C _v | (一) $C_s = 2 C_v$ | | | | | | | | | | | | | | | P(%) C _s | | | | | |
|------------------------|-------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|-------|------|
| | 0.001 | 0.002 | 0.005 | 0.01 | 0.1 | 0.2 | 0.33 | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 75 | 90 | 95 | 99 | 99.9 | 99.99 | |
| 0.05 | 1.23 | 1.22 | 1.21 | 1.20 | 1.16 | 1.15 | 1.14 | 1.13 | 1.12 | 1.11 | 1.08 | 1.06 | 1.04 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.85 | 0.83 | 0.10 |
| 0.06 | 1.28 | 1.27 | 1.25 | 1.24 | 1.20 | 1.19 | 1.17 | 1.16 | 1.14 | 1.13 | 1.10 | 1.08 | 1.05 | 1.00 | 0.96 | 0.92 | 0.90 | 0.87 | 0.83 | 0.79 | 0.12 |
| 0.07 | 1.33 | 1.32 | 1.29 | 1.29 | 1.23 | 1.22 | 1.19 | 1.17 | 1.15 | 1.14 | 1.10 | 1.09 | 1.06 | 1.00 | 0.95 | 0.91 | 0.89 | 0.85 | 0.80 | 0.76 | 0.14 |
| 0.08 | 1.38 | 1.36 | 1.34 | 1.34 | 1.27 | 1.25 | 1.23 | 1.22 | 1.20 | 1.17 | 1.14 | 1.10 | 1.07 | 1.00 | 0.94 | 0.90 | 0.87 | 0.82 | 0.77 | 0.73 | 0.16 |
| 0.09 | 1.43 | 1.41 | 1.39 | 1.38 | 1.30 | 1.28 | 1.26 | 1.24 | 1.22 | 1.19 | 1.15 | 1.12 | 1.07 | 1.00 | 0.94 | 0.89 | 0.86 | 0.80 | 0.74 | 0.70 | 0.18 |
| 0.10 | 1.49 | 1.46 | 1.44 | 1.42 | 1.34 | 1.31 | 1.29 | 1.27 | 1.25 | 1.21 | 1.17 | 1.13 | 1.08 | 1.00 | 0.93 | 0.87 | 0.84 | 0.78 | 0.72 | 0.67 | 0.20 |
| 0.11 | 1.54 | 1.52 | 1.49 | 1.47 | 1.38 | 1.35 | 1.33 | 1.30 | 1.27 | 1.24 | 1.19 | 1.14 | 1.09 | 1.00 | 0.92 | 0.86 | 0.83 | 0.76 | 0.69 | 0.64 | 0.22 |
| 0.12 | 1.60 | 1.57 | 1.54 | 1.52 | 1.42 | 1.38 | 1.36 | 1.34 | 1.30 | 1.26 | 1.21 | 1.16 | 1.10 | 1.00 | 0.92 | 0.85 | 0.81 | 0.74 | 0.67 | 0.61 | 0.24 |
| 0.13 | 1.66 | 1.62 | 1.59 | 1.57 | 1.46 | 1.42 | 1.39 | 1.37 | 1.33 | 1.29 | 1.22 | 1.17 | 1.11 | 1.00 | 0.91 | 0.84 | 0.80 | 0.73 | 0.65 | 0.58 | 0.26 |
| 0.14 | 1.71 | 1.68 | 1.64 | 1.62 | 1.50 | 1.45 | 1.42 | 1.40 | 1.36 | 1.31 | 1.24 | 1.18 | 1.12 | 0.99 | 0.90 | 0.83 | 0.78 | 0.71 | 0.62 | 0.56 | 0.28 |
| 0.15 | 1.77 | 1.74 | 1.70 | 1.67 | 1.54 | 1.48 | 1.46 | 1.43 | 1.38 | 1.33 | 1.26 | 1.20 | 1.12 | 0.99 | 0.90 | 0.81 | 0.77 | 0.69 | 0.60 | 0.54 | 0.30 |
| 0.16 | 1.83 | 1.80 | 1.75 | 1.72 | 1.57 | 1.52 | 1.49 | 1.46 | 1.41 | 1.35 | 1.28 | 1.21 | 1.13 | 0.99 | 0.89 | 0.80 | 0.75 | 0.67 | 0.58 | 0.51 | 0.32 |
| 0.17 | 1.89 | 1.86 | 1.81 | 1.77 | 1.61 | 1.56 | 1.53 | 1.49 | 1.44 | 1.38 | 1.30 | 1.22 | 1.14 | 0.99 | 0.88 | 0.79 | 0.74 | 0.65 | 0.55 | 0.49 | 0.34 |
| 0.18 | 1.96 | 1.92 | 1.86 | 1.82 | 1.65 | 1.60 | 1.56 | 1.52 | 1.47 | 1.40 | 1.31 | 1.24 | 1.15 | 0.99 | 0.88 | 0.78 | 0.72 | 0.63 | 0.53 | 0.46 | 0.36 |
| 0.19 | 2.02 | 1.98 | 1.92 | 1.87 | 1.69 | 1.63 | 1.59 | 1.56 | 1.49 | 1.43 | 1.33 | 1.25 | 1.16 | 0.99 | 0.87 | 0.77 | 0.71 | 0.61 | 0.51 | 0.44 | 0.38 |
| 0.20 | 2.09 | 2.04 | 1.97 | 1.92 | 1.73 | 1.67 | 1.63 | 1.59 | 1.52 | 1.45 | 1.35 | 1.26 | 1.16 | 0.99 | 0.86 | 0.75 | 0.70 | 0.59 | 0.49 | 0.42 | 0.40 |
| 0.21 | 2.16 | 2.11 | 2.03 | 1.98 | 1.78 | 1.71 | 1.67 | 1.62 | 1.55 | 1.48 | 1.37 | 1.28 | 1.17 | 0.98 | 0.85 | 0.74 | 0.68 | 0.58 | 0.48 | 0.40 | 0.42 |
| 0.22 | 2.23 | 2.17 | 2.09 | 2.04 | 1.82 | 1.75 | 1.70 | 1.66 | 1.58 | 1.50 | 1.39 | 1.29 | 1.18 | 0.98 | 0.84 | 0.73 | 0.67 | 0.56 | 0.46 | 0.38 | 0.44 |
| 0.23 | 2.30 | 2.23 | 2.15 | 2.10 | 1.87 | 1.79 | 1.74 | 1.69 | 1.61 | 1.53 | 1.41 | 1.30 | 1.19 | 0.98 | 0.84 | 0.72 | 0.66 | 0.55 | 0.44 | 0.36 | 0.46 |
| 0.24 | 2.37 | 2.30 | 2.21 | 2.16 | 1.91 | 1.83 | 1.77 | 1.73 | 1.64 | 1.55 | 1.43 | 1.32 | 1.19 | 0.98 | 0.83 | 0.71 | 0.64 | 0.53 | 0.42 | 0.34 | 0.48 |
| 0.25 | 2.44 | 2.37 | 2.28 | 2.22 | 1.96 | 1.87 | 1.81 | 1.77 | 1.67 | 1.58 | 1.45 | 1.33 | 1.20 | 0.98 | 0.82 | 0.70 | 0.63 | 0.52 | 0.40 | 0.32 | 0.50 |
| 0.26 | 2.51 | 2.44 | 2.34 | 2.28 | 2.01 | 1.91 | 1.85 | 1.80 | 1.70 | 1.60 | 1.46 | 1.34 | 1.21 | 0.98 | 0.82 | 0.69 | 0.62 | 0.50 | 0.38 | 0.31 | 0.52 |
| 0.27 | 2.59 | 2.51 | 2.41 | 2.34 | 2.05 | 1.95 | 1.89 | 1.84 | 1.73 | 1.63 | 1.48 | 1.35 | 1.21 | 0.98 | 0.80 | 0.67 | 0.61 | 0.48 | 0.37 | 0.29 | 0.54 |
| 0.28 | 2.67 | 2.58 | 2.47 | 2.40 | 2.10 | 2.00 | 1.93 | 1.87 | 1.76 | 1.66 | 1.50 | 1.37 | 1.22 | 0.97 | 0.79 | 0.66 | 0.59 | 0.47 | 0.35 | 0.27 | 0.56 |
| 0.29 | 2.75 | 2.66 | 2.54 | 2.46 | 2.14 | 2.04 | 1.97 | 1.90 | 1.80 | 1.69 | 1.52 | 1.39 | 1.23 | 0.97 | 0.79 | 0.65 | 0.58 | 0.45 | 0.33 | 0.26 | 0.58 |
| 0.30 | 2.82 | 2.73 | 2.61 | 2.52 | 2.19 | 2.08 | 2.01 | 1.94 | 1.83 | 1.71 | 1.54 | 1.40 | 1.24 | 0.97 | 0.78 | 0.64 | 0.56 | 0.44 | 0.32 | 0.24 | 0.60 |
| 0.31 | 2.90 | 2.81 | 2.68 | 2.58 | 2.24 | 2.13 | 2.05 | 1.98 | 1.86 | 1.74 | 1.56 | 1.41 | 1.25 | 0.97 | 0.78 | 0.63 | 0.55 | 0.43 | 0.31 | 0.23 | 0.62 |
| 0.32 | 2.98 | 2.88 | 2.75 | 2.65 | 2.29 | 2.17 | 2.09 | 2.01 | 1.90 | 1.76 | 1.58 | 1.43 | 1.25 | 0.97 | 0.77 | 0.62 | 0.54 | 0.41 | 0.29 | 0.22 | 0.64 |
| 0.33 | 3.07 | 2.96 | 2.82 | 2.72 | 2.34 | 2.22 | 2.13 | 2.05 | 1.93 | 1.79 | 1.60 | 1.44 | 1.26 | 0.96 | 0.76 | 0.61 | 0.53 | 0.40 | 0.28 | 0.21 | 0.66 |
| 0.34 | 3.15 | 3.04 | 2.89 | 2.79 | 2.39 | 2.26 | 2.17 | 2.09 | 1.96 | 1.81 | 1.62 | 1.45 | 1.27 | 0.96 | 0.76 | 0.60 | 0.52 | 0.38 | 0.26 | 0.19 | 0.68 |
| 0.35 | 3.23 | 3.12 | 2.97 | 2.86 | 2.44 | 2.31 | 2.22 | 2.13 | 2.00 | 1.84 | 1.64 | 1.47 | 1.28 | 0.96 | 0.75 | 0.59 | 0.51 | 0.37 | 0.25 | 0.18 | 0.70 |
| 0.36 | 3.32 | 3.20 | 3.04 | 2.93 | 2.49 | 2.36 | 2.26 | 2.17 | 2.03 | 1.86 | 1.66 | 1.48 | 1.28 | 0.96 | 0.74 | 0.58 | 0.50 | 0.36 | 0.24 | 0.17 | 0.72 |
| 0.37 | 3.41 | 3.29 | 3.12 | 2.99 | 2.54 | 2.40 | 2.30 | 2.21 | 2.06 | 1.89 | 1.68 | 1.50 | 1.29 | 0.96 | 0.73 | 0.56 | 0.48 | 0.34 | 0.23 | 0.16 | 0.74 |
| 0.38 | 3.50 | 3.37 | 3.19 | 3.06 | 2.59 | 2.45 | 2.34 | 2.24 | 2.09 | 1.92 | 1.70 | 1.51 | 1.30 | 0.95 | 0.73 | 0.55 | 0.47 | 0.33 | 0.22 | 0.15 | 0.76 |
| 0.39 | 3.59 | 3.46 | 3.27 | 3.13 | 2.65 | 2.49 | 2.38 | 2.28 | 2.13 | 1.95 | 1.72 | 1.52 | 1.31 | 0.95 | 0.72 | 0.54 | 0.46 | 0.31 | 0.21 | 0.14 | 0.78 |

续表 6 (一)

| P(%) | C _v | | | | | | | | | | | | | | | | P(%) | | | | |
|------|----------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 0.001 | 0.002 | 0.005 | 0.01 | 0.1 | 0.2 | 0.33 | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 75 | 90 | | 95 | 99 | 99.9 | 99.99 |
| 0.40 | 3.68 | 3.54 | 3.35 | 3.20 | 2.70 | 2.54 | 2.42 | 2.32 | 2.16 | 1.98 | 1.74 | 1.54 | 1.31 | 0.95 | 0.71 | 0.53 | 0.45 | 0.30 | 0.19 | 0.13 | 0.80 |
| 0.41 | 3.78 | 3.63 | 3.43 | 3.28 | 2.75 | 2.59 | 2.47 | 2.37 | 2.20 | 2.01 | 1.76 | 1.55 | 1.32 | 0.95 | 0.70 | 0.52 | 0.44 | 0.29 | 0.18 | 0.12 | 0.82 |
| 0.42 | 3.87 | 3.71 | 3.51 | 3.36 | 2.81 | 2.64 | 2.51 | 2.40 | 2.23 | 2.04 | 1.78 | 1.56 | 1.32 | 0.95 | 0.69 | 0.51 | 0.43 | 0.28 | 0.17 | 0.11 | 0.84 |
| 0.43 | 3.97 | 3.80 | 3.59 | 3.43 | 2.87 | 2.69 | 2.56 | 2.45 | 2.28 | 2.07 | 1.80 | 1.58 | 1.33 | 0.94 | 0.68 | 0.50 | 0.42 | 0.26 | 0.15 | 0.10 | 0.86 |
| 0.44 | 4.06 | 3.89 | 3.67 | 3.51 | 2.92 | 2.74 | 2.60 | 2.49 | 2.30 | 2.10 | 1.82 | 1.59 | 1.34 | 0.94 | 0.68 | 0.49 | 0.41 | 0.26 | 0.15 | 0.09 | 0.88 |
| 0.45 | 4.16 | 3.99 | 3.76 | 3.59 | 2.98 | 2.80 | 2.65 | 2.53 | 2.33 | 2.13 | 1.84 | 1.60 | 1.35 | 0.93 | 0.67 | 0.48 | 0.40 | 0.26 | 0.15 | 0.09 | 0.90 |
| 0.46 | 4.26 | 4.08 | 3.84 | 3.67 | 3.04 | 2.85 | 2.70 | 2.57 | 2.37 | 2.15 | 1.86 | 1.62 | 1.35 | 0.93 | 0.66 | 0.47 | 0.38 | 0.24 | 0.14 | 0.08 | 0.92 |
| 0.47 | 4.36 | 4.18 | 3.93 | 3.75 | 3.10 | 2.90 | 2.74 | 2.61 | 2.40 | 2.18 | 1.88 | 1.63 | 1.36 | 0.92 | 0.66 | 0.47 | 0.37 | 0.23 | 0.13 | 0.08 | 0.94 |
| 0.48 | 4.46 | 4.27 | 4.01 | 3.82 | 3.15 | 2.95 | 2.79 | 2.65 | 2.44 | 2.21 | 1.90 | 1.64 | 1.36 | 0.92 | 0.65 | 0.46 | 0.36 | 0.23 | 0.12 | 0.07 | 0.96 |
| 0.49 | 4.56 | 4.37 | 4.10 | 3.90 | 3.21 | 3.00 | 2.83 | 2.69 | 2.46 | 2.24 | 1.92 | 1.66 | 1.37 | 0.92 | 0.65 | 0.45 | 0.35 | 0.22 | 0.12 | 0.07 | 0.98 |
| 0.50 | 4.67 | 4.46 | 4.19 | 3.98 | 3.27 | 3.05 | 2.88 | 2.74 | 2.51 | 2.27 | 1.94 | 1.67 | 1.38 | 0.92 | 0.64 | 0.44 | 0.34 | 0.21 | 0.11 | 0.06 | 1.00 |
| 0.52 | 4.88 | 4.65 | 4.37 | 4.15 | 3.39 | 3.16 | 2.98 | 2.83 | 2.59 | 2.33 | 1.98 | 1.70 | 1.39 | 0.91 | 0.62 | 0.42 | 0.32 | 0.19 | 0.09 | 0.05 | 1.04 |
| 0.54 | 5.09 | 4.87 | 4.55 | 4.33 | 3.52 | 3.27 | 3.08 | 2.94 | 2.66 | 2.39 | 2.02 | 1.72 | 1.40 | 0.90 | 0.60 | 0.40 | 0.31 | 0.18 | 0.08 | 0.04 | 1.08 |
| 0.55 | 5.21 | 4.97 | 4.65 | 4.42 | 3.58 | 3.32 | 3.12 | 2.97 | 2.70 | 2.42 | 2.04 | 1.74 | 1.41 | 0.90 | 0.59 | 0.40 | 0.30 | 0.16 | 0.08 | 0.04 | 1.10 |
| 0.56 | 5.32 | 5.07 | 4.74 | 4.50 | 3.64 | 3.37 | 3.18 | 3.01 | 2.74 | 2.45 | 2.06 | 1.75 | 1.41 | 0.89 | 0.58 | 0.38 | 0.29 | 0.14 | 0.07 | 0.03 | 1.12 |
| 0.58 | 5.55 | 5.29 | 4.93 | 4.68 | 3.77 | 3.48 | 3.28 | 3.10 | 2.81 | 2.51 | 2.10 | 1.78 | 1.43 | 0.89 | 0.57 | 0.37 | 0.27 | 0.13 | 0.06 | 0.03 | 1.16 |
| 0.60 | 5.78 | 5.50 | 5.13 | 4.85 | 3.89 | 3.59 | 3.37 | 3.20 | 2.89 | 2.57 | 2.15 | 1.80 | 1.44 | 0.89 | 0.56 | 0.35 | 0.26 | 0.13 | 0.05 | 0.02 | 1.20 |
| 0.62 | 6.02 | 5.72 | 5.33 | 5.04 | 4.02 | 3.71 | 3.48 | 3.30 | 2.97 | 2.63 | 2.19 | 1.83 | 1.45 | 0.88 | 0.55 | 0.34 | 0.24 | 0.12 | 0.05 | 0.02 | 1.24 |
| 0.64 | 6.27 | 5.95 | 5.54 | 5.23 | 4.16 | 3.83 | 3.59 | 3.39 | 3.05 | 2.70 | 2.23 | 1.86 | 1.46 | 0.87 | 0.54 | 0.32 | 0.23 | 0.11 | 0.04 | 0.02 | 1.28 |
| 0.65 | 6.39 | 6.07 | 5.65 | 5.33 | 4.22 | 3.89 | 3.64 | 3.44 | 3.09 | 2.74 | 2.25 | 1.87 | 1.47 | 0.87 | 0.52 | 0.31 | 0.22 | 0.10 | 0.04 | 0.02 | 1.30 |
| 0.66 | 6.51 | 6.18 | 5.75 | 5.43 | 4.29 | 3.95 | 3.70 | 3.49 | 3.13 | 2.76 | 2.27 | 1.88 | 1.47 | 0.86 | 0.51 | 0.30 | 0.21 | 0.10 | 0.03 | 0.01 | 1.32 |
| 0.68 | 6.77 | 6.42 | 5.96 | 5.62 | 4.43 | 4.07 | 3.80 | 3.58 | 3.21 | 2.83 | 2.32 | 1.91 | 1.48 | 0.86 | 0.50 | 0.29 | 0.20 | 0.09 | 0.03 | 0.01 | 1.36 |
| 0.70 | 7.03 | 6.66 | 6.18 | 5.81 | 4.56 | 4.19 | 3.91 | 3.68 | 3.29 | 2.90 | 2.36 | 1.94 | 1.50 | 0.85 | 0.48 | 0.27 | 0.18 | 0.08 | 0.02 | 0.01 | 1.40 |
| 0.72 | 7.29 | 6.90 | 6.40 | 6.02 | 4.71 | 4.32 | 4.02 | 3.78 | 3.38 | 2.96 | 2.40 | 1.96 | 1.51 | 0.84 | 0.48 | 0.26 | 0.17 | 0.07 | 0.02 | 0.01 | 1.44 |
| 0.74 | 7.56 | 7.15 | 6.62 | 6.23 | 4.86 | 4.45 | 4.13 | 3.88 | 3.46 | 3.02 | 2.44 | 1.99 | 1.52 | 0.83 | 0.47 | 0.25 | 0.16 | 0.06 | 0.02 | 0.00 | 1.48 |
| 0.75 | 7.69 | 7.28 | 6.74 | 6.33 | 4.93 | 4.52 | 4.19 | 3.93 | 3.50 | 3.09 | 2.48 | 2.00 | 1.52 | 0.82 | 0.45 | 0.24 | 0.15 | 0.06 | 0.02 | 0.00 | 1.50 |
| 0.76 | 7.83 | 7.41 | 6.85 | 6.43 | 5.00 | 4.58 | 4.25 | 3.98 | 3.54 | 3.09 | 2.48 | 2.01 | 1.53 | 0.81 | 0.44 | 0.23 | 0.14 | 0.05 | 0.01 | 0.00 | 1.52 |
| 0.78 | 8.12 | 7.67 | 7.08 | 6.64 | 5.15 | 4.71 | 4.36 | 4.08 | 3.63 | 3.16 | 2.53 | 2.04 | 1.54 | 0.80 | 0.43 | 0.22 | 0.13 | 0.05 | 0.01 | 0.00 | 1.56 |
| 0.80 | 8.40 | 7.93 | 7.32 | 6.85 | 5.30 | 4.84 | 4.47 | 4.19 | 3.71 | 3.22 | 2.57 | 2.05 | 1.54 | 0.80 | 0.42 | 0.21 | 0.12 | 0.04 | 0.01 | 0.00 | 1.60 |
| 0.82 | 8.68 | 8.20 | 7.56 | 7.08 | 5.45 | 4.97 | 4.59 | 4.29 | 3.80 | 3.29 | 2.61 | 2.09 | 1.55 | 0.79 | 0.41 | 0.20 | 0.11 | 0.04 | 0.01 | 0.00 | 1.64 |
| 0.84 | 8.98 | 8.48 | 7.81 | 7.30 | 5.61 | 5.11 | 4.71 | 4.40 | 3.89 | 3.36 | 2.65 | 2.11 | 1.56 | 0.78 | 0.40 | 0.19 | 0.10 | 0.03 | 0.01 | 0.00 | 1.68 |
| 0.85 | 9.13 | 8.62 | 7.93 | 7.41 | 5.69 | 5.17 | 4.77 | 4.46 | 3.93 | 3.39 | 2.68 | 2.12 | 1.56 | 0.77 | 0.39 | 0.18 | 0.10 | 0.03 | 0.01 | 0.00 | 1.70 |
| 0.86 | 9.27 | 8.75 | 8.05 | 7.53 | 5.77 | 5.24 | 4.83 | 4.50 | 3.97 | 3.42 | 2.70 | 2.14 | 1.56 | 0.76 | 0.37 | 0.17 | 0.09 | 0.03 | 0.01 | 0.00 | 1.72 |
| 0.88 | 9.58 | 9.03 | 8.31 | 7.75 | 5.92 | 5.38 | 4.95 | 4.62 | 4.06 | 3.49 | 2.74 | 2.16 | 1.57 | 0.75 | 0.36 | 0.16 | 0.08 | 0.02 | 0.00 | 0.00 | 1.76 |
| 0.90 | 9.89 | 9.32 | 8.56 | 7.98 | 6.08 | 5.51 | 5.07 | 4.74 | 4.15 | 3.56 | 2.78 | 2.19 | 1.58 | 0.75 | 0.35 | 0.15 | 0.08 | 0.02 | 0.00 | 0.00 | 1.80 |
| 0.92 | 10.21 | 9.62 | 8.82 | 8.23 | 6.25 | 5.65 | 5.20 | 4.85 | 4.24 | 3.63 | 2.82 | 2.21 | 1.58 | 0.74 | 0.34 | 0.14 | 0.08 | 0.02 | 0.00 | 0.00 | 1.84 |
| 0.94 | 10.52 | 9.91 | 9.09 | 8.47 | 6.41 | 5.79 | 5.32 | 4.96 | 4.33 | 3.70 | 2.87 | 2.23 | 1.59 | 0.73 | 0.33 | 0.13 | 0.07 | 0.01 | 0.00 | 0.00 | 1.88 |
| 0.95 | 10.69 | 10.05 | 9.23 | 8.59 | 6.49 | 5.86 | 5.38 | 5.02 | 4.38 | 3.74 | 2.89 | 2.25 | 1.60 | 0.72 | 0.31 | 0.13 | 0.07 | 0.01 | 0.00 | 0.00 | 1.90 |
| 0.96 | 10.85 | 10.21 | 9.36 | 8.72 | 6.58 | 5.94 | 5.44 | 5.07 | 4.43 | 3.77 | 2.91 | 2.26 | 1.60 | 0.70 | 0.30 | 0.12 | 0.06 | 0.01 | 0.00 | 0.00 | 1.92 |
| 0.98 | 11.18 | 10.52 | 9.63 | 8.96 | 6.74 | 6.08 | 5.57 | 5.18 | 4.52 | 3.84 | 2.95 | 2.28 | 1.60 | 0.69 | 0.30 | 0.12 | 0.06 | 0.01 | 0.00 | 0.00 | 1.96 |

续表 6 (一)

| P(%) Cs | P(%) | | | | | | | | | | | | | | | | Cs | | | |
|------------|-------|-------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 0.091 | 0.002-0.005 | 0.01 | 0.1 | 0.2 | 0.33 | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 75 | 90 | 95 | | 99 | 99.9 | 99.99 |
| 1.00 | 11.51 | 10.82 | 9.90 | 9.21 | 6.91 | 6.22 | 5.70 | 5.30 | 4.61 | 3.91 | 3.00 | 1.61 | 0.89 | 0.29 | 0.11 | 0.05 | 0.01 | 0.00 | 0.00 | 2.00 |
| 1.02 | 11.65 | 11.13 | 10.47 | 9.47 | 7.09 | 6.37 | 5.83 | 5.42 | 4.70 | 3.98 | 3.04 | 1.62 | 0.88 | 0.28 | 0.10 | 0.05 | 0.01 | 0.00 | 0.00 | 2.04 |
| 1.04 | 12.00 | 11.45 | 10.47 | 9.73 | 7.26 | 6.52 | 5.97 | 5.53 | 4.80 | 4.05 | 3.08 | 1.62 | 0.87 | 0.27 | 0.09 | 0.04 | 0.01 | 0.00 | 0.00 | 2.08 |
| 1.05 | 12.37 | 11.61 | 10.61 | 9.86 | 7.35 | 6.59 | 6.03 | 5.59 | 4.84 | 4.08 | 3.10 | 1.62 | 0.86 | 0.26 | 0.09 | 0.04 | 0.01 | 0.00 | 0.00 | 2.10 |
| 1.06 | 12.64 | 11.77 | 10.75 | 10.00 | 7.44 | 6.67 | 6.10 | 5.65 | 4.89 | 4.12 | 3.12 | 1.63 | 0.85 | 0.25 | 0.08 | 0.03 | 0.01 | 0.00 | 0.00 | 2.12 |
| 1.08 | 12.90 | 12.10 | 11.04 | 10.26 | 7.51 | 6.82 | 6.24 | 5.75 | 4.99 | 4.19 | 3.16 | 1.63 | 0.84 | 0.24 | 0.07 | 0.03 | 0.01 | 0.00 | 0.00 | 2.16 |
| 1.10 | 13.26 | 12.43 | 11.34 | 10.52 | 7.79 | 6.97 | 6.37 | 5.88 | 5.08 | 4.26 | 3.20 | 1.63 | 0.84 | 0.23 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 2.20 |
| 1.12 | 13.62 | 12.77 | 11.64 | 10.80 | 7.97 | 7.13 | 6.51 | 6.00 | 5.18 | 4.33 | 3.24 | 1.63 | 0.83 | 0.22 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 2.24 |
| 1.14 | 13.99 | 13.10 | 11.94 | 11.07 | 8.15 | 7.29 | 6.65 | 6.13 | 5.28 | 4.40 | 3.28 | 1.63 | 0.82 | 0.21 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 2.28 |
| 1.15 | 14.16 | 13.28 | 12.10 | 11.21 | 8.24 | 7.36 | 6.71 | 6.19 | 5.32 | 4.44 | 3.30 | 1.64 | 0.81 | 0.21 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 2.30 |
| 1.16 | 14.35 | 13.45 | 12.25 | 11.35 | 8.34 | 7.44 | 6.78 | 6.25 | 5.37 | 4.45 | 3.33 | 1.64 | 0.80 | 0.21 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 2.32 |
| 1.18 | 14.74 | 13.80 | 12.55 | 11.62 | 8.53 | 7.60 | 6.92 | 6.38 | 5.47 | 4.55 | 3.37 | 1.64 | 0.80 | 0.20 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 2.36 |
| 1.20 | 15.12 | 14.15 | 12.87 | 11.90 | 8.70 | 7.76 | 7.08 | 6.50 | 5.57 | 4.62 | 3.41 | 1.65 | 0.80 | 0.18 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 2.40 |
| 1.22 | 15.51 | 14.51 | 13.18 | 12.19 | 8.89 | 7.92 | 7.20 | 6.63 | 5.67 | 4.69 | 3.45 | 1.65 | 0.80 | 0.17 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 2.44 |
| 1.24 | 15.90 | 14.87 | 13.51 | 12.48 | 9.09 | 8.08 | 7.34 | 6.76 | 5.76 | 4.76 | 3.49 | 1.65 | 0.80 | 0.16 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 2.48 |
| 1.25 | 16.10 | 15.05 | 13.67 | 12.63 | 9.18 | 8.16 | 7.41 | 6.82 | 5.81 | 4.80 | 3.51 | 1.65 | 0.80 | 0.16 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 2.50 |
| 1.26 | 16.30 | 15.23 | 13.83 | 12.78 | 9.28 | 8.25 | 7.48 | 6.89 | 5.86 | 4.84 | 3.53 | 1.65 | 0.80 | 0.15 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 2.52 |
| 1.28 | 16.70 | 15.60 | 14.16 | 13.07 | 9.48 | 8.41 | 7.62 | 7.02 | 5.96 | 4.91 | 3.57 | 1.65 | 0.80 | 0.15 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 2.56 |
| 1.30 | 17.10 | 15.98 | 14.49 | 13.36 | 9.67 | 8.57 | 7.76 | 7.14 | 6.06 | 4.98 | 3.61 | 1.65 | 0.80 | 0.14 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 2.60 |
| 1.32 | 17.51 | 16.35 | 14.82 | 13.67 | 9.87 | 8.74 | 7.89 | 7.27 | 6.16 | 5.05 | 3.63 | 1.65 | 0.80 | 0.13 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 2.64 |
| 1.34 | 17.93 | 16.74 | 15.16 | 13.98 | 10.07 | 8.91 | 8.04 | 7.40 | 6.26 | 5.13 | 3.69 | 1.65 | 0.80 | 0.13 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.68 |
| 1.35 | 18.14 | 16.93 | 15.33 | 14.13 | 10.17 | 8.99 | 8.13 | 7.46 | 6.31 | 5.16 | 3.71 | 1.65 | 0.80 | 0.12 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.70 |
| 1.36 | 18.35 | 17.12 | 15.50 | 14.28 | 10.27 | 9.07 | 8.19 | 7.52 | 6.36 | 5.20 | 3.73 | 1.65 | 0.80 | 0.12 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.72 |
| 1.38 | 18.77 | 17.51 | 15.85 | 14.59 | 10.47 | 9.24 | 8.34 | 7.65 | 6.46 | 5.28 | 3.77 | 1.64 | 0.80 | 0.11 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.76 |
| 1.40 | 19.20 | 17.91 | 16.20 | 14.90 | 10.67 | 9.41 | 8.50 | 7.78 | 6.56 | 5.35 | 3.81 | 1.64 | 0.80 | 0.10 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.80 |
| 1.42 | 19.64 | 18.31 | 16.55 | 15.23 | 10.88 | 9.59 | 8.64 | 7.91 | 6.66 | 5.43 | 3.85 | 1.64 | 0.80 | 0.10 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 2.84 |
| 1.44 | 20.08 | 18.71 | 16.91 | 15.55 | 11.09 | 9.77 | 8.79 | 8.04 | 6.77 | 5.50 | 3.89 | 1.64 | 0.80 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 |
| 1.45 | 20.30 | 18.91 | 17.09 | 15.71 | 11.20 | 9.85 | 8.89 | 8.11 | 6.82 | 5.54 | 3.91 | 1.64 | 0.80 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 |
| 1.46 | 20.52 | 19.11 | 17.27 | 15.88 | 11.31 | 9.94 | 8.95 | 8.18 | 6.87 | 5.58 | 3.92 | 1.63 | 0.80 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.92 |
| 1.48 | 20.97 | 19.53 | 17.63 | 16.20 | 11.52 | 10.12 | 9.10 | 8.31 | 6.98 | 5.65 | 3.96 | 1.63 | 0.80 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.96 |
| 1.50 | 21.42 | 19.94 | 18.00 | 16.53 | 11.73 | 10.30 | 9.27 | 8.44 | 7.08 | 5.73 | 4.00 | 1.63 | 0.80 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| 1.55 | 22.57 | 21.00 | 18.93 | 17.37 | 12.61 | 10.76 | 9.66 | 8.78 | 7.33 | 5.91 | 4.10 | 1.62 | 0.80 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 |
| 1.60 | 23.75 | 22.08 | 19.88 | 18.23 | 12.81 | 11.22 | 10.09 | 9.13 | 7.59 | 6.10 | 4.19 | 2.82 | 1.61 | 0.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 |
| 1.65 | 24.95 | 23.18 | 20.85 | 19.10 | 13.36 | 11.69 | 10.46 | 9.48 | 7.85 | 6.29 | 4.28 | 2.85 | 1.59 | 0.34 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 |
| 1.70 | 26.19 | 24.31 | 21.85 | 19.99 | 13.92 | 12.16 | 10.85 | 9.84 | 8.11 | 6.47 | 4.37 | 2.88 | 1.58 | 0.31 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.40 |
| 1.75 | 27.45 | 25.47 | 22.86 | 20.90 | 14.50 | 12.63 | 11.25 | 10.19 | 8.33 | 6.65 | 4.45 | 2.91 | 1.56 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 |
| 1.80 | 28.74 | 26.64 | 23.90 | 21.83 | 15.09 | 13.11 | 11.67 | 10.54 | 8.65 | 6.83 | 4.53 | 2.94 | 1.54 | 0.25 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 |
| 1.85 | 30.05 | 27.85 | 24.95 | 22.77 | 15.69 | 13.60 | 12.08 | 10.90 | 8.92 | 7.01 | 4.61 | 2.96 | 1.52 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 |
| 1.90 | 31.39 | 29.07 | 26.03 | 23.73 | 16.29 | 14.09 | 12.58 | 11.26 | 9.19 | 7.19 | 4.69 | 2.98 | 1.50 | 0.20 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.80 |
| 1.95 | 32.76 | 30.32 | 27.12 | 24.71 | 16.89 | 14.59 | 12.92 | 11.63 | 9.45 | 7.37 | 4.76 | 2.99 | 1.48 | 0.19 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.90 |
| 2.00 | 34.16 | 31.60 | 28.24 | 25.72 | 17.50 | 15.10 | 13.35 | 12.00 | 9.74 | 7.54 | 4.84 | 3.00 | 1.46 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 |