

| Period | 1%     | 2%     | 3%     | 4%     | 5%     | 6%     | 7%     | 8%     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1      | 0.990  | 0.980  | 0.971  | 0.962  | 0.952  | 0.943  | 0.935  | 0.926  |
| 2      | 1.970  | 1.942  | 1.913  | 1.886  | 1.859  | 1.833  | 1.808  | 1.783  |
| 3      | 2.941  | 2.884  | 2.829  | 2.775  | 2.723  | 2.673  | 2.624  | 2.577  |
| 4      | 3.902  | 3.808  | 3.717  | 3.630  | 3.546  | 3.465  | 3.387  | 3.312  |
| 5      | 4.853  | 4.713  | 4.580  | 4.452  | 4.329  | 4.212  | 4.100  | 3.993  |
| 6      | 5.795  | 5.601  | 5.417  | 5.242  | 5.076  | 4.917  | 4.767  | 4.623  |
| 7      | 6.728  | 6.472  | 6.230  | 6.002  | 5.786  | 5.582  | 5.389  | 5.206  |
| 8      | 7.652  | 7.325  | 7.020  | 6.733  | 6.463  | 6.210  | 5.971  | 5.747  |
| 9      | 8.566  | 8.162  | 7.786  | 7.435  | 7.108  | 6.802  | 6.515  | 6.247  |
| 10     | 9.471  | 8.983  | 8.530  | 8.111  | 7.722  | 7.360  | 7.024  | 6.710  |
| 11     | 10.368 | 9.787  | 9.253  | 8.760  | 8.306  | 7.887  | 7.499  | 7.139  |
| 12     | 11.255 | 10.575 | 9.954  | 9.385  | 8.863  | 8.384  | 7.943  | 7.536  |
| 13     | 12.134 | 11.348 | 10.635 | 9.986  | 9.394  | 8.853  | 8.358  | 7.904  |
| 14     | 13.004 | 12.106 | 11.296 | 10.563 | 9.899  | 9.295  | 8.745  | 8.244  |
| 15     | 13.865 | 12.849 | 11.938 | 11.118 | 10.380 | 9.712  | 9.108  | 8.559  |
| 16     | 14.718 | 13.578 | 12.561 | 11.652 | 10.838 | 10.106 | 9.447  | 8.851  |
| 17     | 15.562 | 14.292 | 13.166 | 12.166 | 11.274 | 10.477 | 9.763  | 9.122  |
| 18     | 16.398 | 14.992 | 13.754 | 12.659 | 11.690 | 10.828 | 10.059 | 9.372  |
| 19     | 17.226 | 15.678 | 14.324 | 13.134 | 12.085 | 11.158 | 10.336 | 9.604  |
| 20     | 18.046 | 16.351 | 14.877 | 13.590 | 12.462 | 11.470 | 10.594 | 9.818  |
| 25     | 22.023 | 19.523 | 17.413 | 15.622 | 14.094 | 12.783 | 11.654 | 10.675 |
| 30     | 25.808 | 22.396 | 19.600 | 17.292 | 15.372 | 13.765 | 12.409 | 11.258 |
| 35     | 29.409 | 24.999 | 21.487 | 18.665 | 16.374 | 14.498 | 12.948 | 11.655 |
| 40     | 32.835 | 27.355 | 23.115 | 19.793 | 17.159 | 15.046 | 13.332 | 11.925 |
| 50     | 39.196 | 31.424 | 25.730 | 21.482 | 18.256 | 15.762 | 13.801 | 12.233 |

| 9%     | 10%   | 11%   | 12%   |
|--------|-------|-------|-------|
| 0.917  | 0.909 | 0.901 | 0.893 |
| 1.759  | 1.736 | 1.713 | 1.690 |
| 2.531  | 2.487 | 2.444 | 2.402 |
| 3.240  | 3.170 | 3.102 | 3.037 |
| 3.890  | 3.791 | 3.696 | 3.605 |
| 4.486  | 4.355 | 4.231 | 4.111 |
| 5.033  | 4.868 | 4.712 | 4.564 |
| 5.535  | 5.335 | 5.146 | 4.968 |
| 5.995  | 5.759 | 5.537 | 5.328 |
| 6.418  | 6.145 | 5.889 | 5.650 |
| 6.805  | 6.495 | 6.207 | 5.938 |
| 7.161  | 6.814 | 6.492 | 6.194 |
| 7.487  | 7.103 | 6.750 | 6.424 |
| 7.786  | 7.367 | 6.982 | 6.628 |
| 8.061  | 7.606 | 7.191 | 6.811 |
| 8.313  | 7.824 | 7.379 | 6.974 |
| 8.544  | 8.022 | 7.549 | 7.120 |
| 8.756  | 8.201 | 7.702 | 7.250 |
| 8.950  | 8.365 | 7.839 | 7.366 |
| 9.129  | 8.514 | 7.963 | 7.469 |
| 9.823  | 9.077 | 8.422 | 7.843 |
| 10.274 | 9.427 | 8.694 | 8.055 |
| 10.567 | 9.644 | 8.855 | 8.176 |
| 10.757 | 9.779 | 8.951 | 8.244 |
| 10.962 | 9.915 | 9.042 | 8.304 |