**Table 5.1**      **SINE, COSINE AND EXPONENTIAL INTEGRALS**

| $x$ | Si$(x)$ | Ci$(x)$ | $xe^{-x}$Ei$(x)$ | $xe^{x}E_1(x)$ |
|---|---|---|---|---|
| 2.0 | 1.60541 29768 | 0.42298 08288 | 1.34096 5420 | 0.72265 7234 |
| 2.1 | 1.64869 86362 | 0.40051 19878 | 1.37148 6802 | 0.73079 1502 |
| 2.2 | 1.68762 48272 | 0.37507 45990 | 1.39742 1992 | 0.73843 1132 |
| 2.3 | 1.72220 74818 | 0.34717 56175 | 1.41917 1534 | 0.74562 2149 |
| 2.4 | 1.75248 55008 | 0.31729 16174 | 1.43711 8315 | 0.75240 4829 |
| 2.5 | 1.77852 01734 | 0.28587 11964 | 1.45162 5159 | 0.75881 4592 |
| 2.6 | 1.80039 44505 | 0.25333 66161 | 1.46303 3397 | 0.76488 2722 |
| 2.7 | 1.81821 20765 | 0.22008 48786 | 1.47166 2153 | 0.77063 6987 |
| 2.8 | 1.83209 65891 | 0.18648 83896 | 1.47780 8187 | 0.77610 2123 |
| 2.9 | 1.84219 01946 | 0.15289 53242 | 1.48174 6162 | 0.78130 0252 |
| 3.0 | 1.84865 25280 | 0.11962 97860 | 1.48372 9204 | 0.78625 1221 |
| 3.1 | 1.85165 93077 | 0.08699 18312 | 1.48398 9691 | 0.79097 2900 |
| 3.2 | 1.85140 08970 | 0.05525 74117 | 1.48274 0191 | 0.79548 1422 |
| 3.3 | 1.84808 07828 | +0.02467 82846 | 1.48017 4491 | 0.79979 1408 |
| 3.4 | 1.84191 39833 | -0.00451 80779 | 1.47646 8706 | 0.80391 6127 |
| 3.5 | 1.83312 53987 | -0.03212 85485 | 1.47178 2389 | 0.80786 7661 |
| 3.6 | 1.82194 81156 | -0.05797 43519 | 1.46625 9659 | 0.81165 7037 |
| 3.7 | 1.80862 16809 | -0.08190 10013 | 1.46003 0313 | 0.81529 4342 |
| 3.8 | 1.79339 03548 | -0.10377 81504 | 1.45321 0902 | 0.81878 8821 |
| 3.9 | 1.77650 13604 | -0.12349 93492 | 1.44590 5765 | 0.82214 8967 |
| 4.0 | 1.75820 31389 | -0.14098 16979 | 1.43820 8032 | 0.82538 2600 |
| 4.1 | 1.73874 36265 | -0.15616 53918 | 1.43020 0557 | 0.82849 6926 |
| 4.2 | 1.71836 85637 | -0.16901 31568 | 1.42195 6813 | 0.83149 8602 |
| 4.3 | 1.69731 98507 | -0.17950 95725 | 1.41354 1719 | 0.83439 3794 |
| 4.4 | 1.67583 39594 | -0.18766 02868 | 1.40501 2424 | 0.83718 8207 |
| 4.5 | 1.65414 04144 | -0.19349 11221 | 1.39641 9030 | 0.83988 7144 |
| 4.6 | 1.63246 03525 | -0.19704 70797 | 1.38780 5263 | 0.84249 5539 |
| 4.7 | 1.61100 51718 | -0.19839 12468 | 1.37920 9093 | 0.84501 7971 |
| 4.8 | 1.58997 52782 | -0.19760 36133 | 1.37066 3313 | 0.84745 8721 |
| 4.9 | 1.56955 89381 | -0.19477 98060 | 1.36219 6054 | 0.84982 1778 |
| 5.0 | 1.54993 12449 | -0.19002 97497 | 1.35383 1278 | 0.85211 0880 |
| 5.1 | 1.53125 32047 | -0.18347 62632 | 1.34558 9212 | 0.85432 9519 |
| 5.2 | 1.51367 09468 | -0.17525 36023 | 1.33748 6755 | 0.85648 0958 |
| 5.3 | 1.49731 50636 | -0.16550 59586 | 1.32953 7845 | 0.85856 8275 |
| 5.4 | 1.48230 00826 | -0.15438 59262 | 1.32175 3788 | 0.86059 4348 |
| 5.5 | 1.46872 40727 | -0.14205 29476 | 1.31414 3566 | 0.86256 1885 |
| 5.6 | 1.45666 83847 | -0.12867 17494 | 1.30671 4107 | 0.86447 3436 |
| 5.7 | 1.44619 75285 | -0.11441 07808 | 1.29947 0536 | 0.86633 1399 |
| 5.8 | 1.43735 91823 | -0.09944 06647 | 1.29241 6395 | 0.86813 8040 |
| 5.9 | 1.43018 43341 | -0.08393 26741 | 1.28555 3849 | 0.86989 5494 |
| 6.0 | 1.42468 75513 | -0.06805 72439 | 1.27888 3860 | 0.87160 5775 |
| 6.1 | 1.42086 73734 | -0.05198 25290 | 1.27240 6357 | 0.87327 0793 |
| 6.2 | 1.41870 68241 | -0.03587 30193 | 1.26612 0373 | 0.87489 2347 |
| 6.3 | 1.41817 40348 | -0.01988 82206 | 1.26002 4184 | 0.87647 2150 |
| 6.4 | 1.41922 29740 | -0.00418 14110 | 1.25411 5417 | 0.87801 1816 |
| 6.5 | 1.42179 42744 | +0.01110 15195 | 1.24839 1155 | 0.87951 2881 |
| 6.6 | 1.42581 61486 | 0.02582 31381 | 1.24284 8032 | 0.88097 6797 |
| 6.7 | 1.43120 53853 | 0.03985 54400 | 1.23748 2309 | 0.88240 4955 |
| 6.8 | 1.43786 84161 | 0.05308 07167 | 1.23228 9952 | 0.88379 8662 |
| 6.9 | 1.44570 24427 | 0.06539 23140 | 1.22726 6684 | 0.88515 9176 |
| 7.0 | 1.45459 66142 | 0.07669 52785 | 1.22240 8053 | 0.88648 7675 |
|  | $\left[\begin{matrix}(-4)5\\7\end{matrix}\right]$ | $\left[\begin{matrix}(-4)4\\8\end{matrix}\right]$ | $\left[\begin{matrix}(-4)6\\7\end{matrix}\right]$ | $\left[\begin{matrix}(-5)6\\6\end{matrix}\right]$ |