

Table 5.1

SINE, COSINE AND EXPONENTIAL INTEGRALS

x	$x^{-1}\text{Si}(x)$	$x^{-2}[\text{Ci}(x) - \ln x - \gamma]$	$x^{-1}[\text{Ei}(x) - \ln x - \gamma]$	$x^{-1}[\text{E}_1(x) + \ln x + \gamma]$
0.00	1.00000 00000	-0.25000 00000	1.00000 0000	1.00000 00000
0.01	0.99999 44444	-0.24999 89583	1.00250 5566	0.99750 55452
0.02	0.99997 77781	-0.24999 58333	1.00502 2306	0.99502 21392
0.03	0.99995 00014	-0.24999 06250	1.00755 0283	0.99254 97201
0.04	0.99991 11154	-0.24998 33339	1.01008 9560	0.99008 82265
0.05	0.99986 11215	-0.24997 39598	1.01264 0202	0.98763 75971
0.06	0.99980 00216	-0.24996 25030	1.01520 2272	0.98519 77714
0.07	0.99972 78178	-0.24994 89639	1.01777 5836	0.98276 86889
0.08	0.99964 45127	-0.24993 33429	1.02036 0958	0.98035 02898
0.09	0.99955 01094	-0.24991 56402	1.02295 7705	0.97794 25142
0.10	0.99944 46111	-0.24989 58564	1.02556 6141	0.97554 53033
0.11	0.99932 80218	-0.24987 39923	1.02818 6335	0.97315 85980
0.12	0.99920 03455	-0.24985 00480	1.03081 8352	0.97078 23399
0.13	0.99906 15870	-0.24982 40244	1.03346 2259	0.96841 64710
0.14	0.99891 17512	-0.24979 59223	1.03611 8125	0.96606 09336
0.15	0.99875 08435	-0.24976 57422	1.03878 6018	0.96371 56702
0.16	0.99857 88696	-0.24973 34850	1.04146 6006	0.96138 06240
0.17	0.99839 58357	-0.24969 91516	1.04415 8158	0.95905 57383
0.18	0.99820 17486	-0.24966 27429	1.04686 2544	0.95674 09569
0.19	0.99799 66151	-0.24962 42598	1.04957 9234	0.95443 62237
0.20	0.99778 04427	-0.24958 37035	1.05230 8298	0.95214 14833
0.21	0.99755 32390	-0.24954 10749	1.05504 9807	0.94985 66804
0.22	0.99731 50122	-0.24949 63752	1.05780 3833	0.94758 17603
0.23	0.99706 57709	-0.24944 96056	1.06057 0446	0.94531 66684
0.24	0.99680 55242	-0.24940 07674	1.06334 9719	0.94306 13506
0.25	0.99653 42813	-0.24934 98618	1.06614 1726	0.94081 57528
0.26	0.99625 20519	-0.24929 68902	1.06894 6539	0.93857 98221
0.27	0.99595 88464	-0.24924 18540	1.07176 4232	0.93635 35046
0.28	0.99565 46750	-0.24918 47546	1.07459 4879	0.93413 67481
0.29	0.99533 95489	-0.24912 55938	1.07743 8555	0.93192 94997
0.30	0.99501 34793	-0.24906 43727	1.08029 5334	0.92973 17075
0.31	0.99467 64779	-0.24900 10933	1.08316 5293	0.92754 33196
0.32	0.99432 85570	-0.24893 57573	1.08604 8507	0.92536 42845
0.33	0.99396 97288	-0.24886 83662	1.08894 5053	0.92319 45510
0.34	0.99360 00064	-0.24879 89219	1.09185 5008	0.92103 40684
0.35	0.99321 94028	-0.24872 74263	1.09477 8451	0.91888 27858
0.36	0.99282 79320	-0.24865 38813	1.09771 5458	0.91674 06533
0.37	0.99242 56078	-0.24857 82887	1.10066 6108	0.91460 76209
0.38	0.99201 24449	-0.24850 06507	1.10363 0481	0.91248 36388
0.39	0.99158 84579	-0.24842 09693	1.10660 8656	0.91036 86582
0.40	0.99115 36619	-0.24833 92466	1.10960 0714	0.90826 26297
0.41	0.99070 80728	-0.24825 54849	1.11260 6735	0.90616 55048
0.42	0.99025 17063	-0.24816 96860	1.11562 6800	0.90407 72350
0.43	0.98978 45790	-0.24808 18528	1.11866 0991	0.90199 77725
0.44	0.98930 67074	-0.24799 19870	1.12170 9391	0.89992 70693
0.45	0.98881 81089	-0.24790 00913	1.12477 2082	0.89786 50778
0.46	0.98831 88008	-0.24780 61685	1.12784 9147	0.89581 17511
0.47	0.98780 88010	-0.24771 02206	1.13094 0671	0.89376 70423
0.48	0.98728 81278	-0.24761 22500	1.13404 6738	0.89173 09048
0.49	0.98675 67998	-0.24751 22600	1.13716 7432	0.88970 32920
0.50	0.98621 48361	-0.24741 02526	1.14030 2841	0.88768 41584
	$\left[\begin{smallmatrix} (-6)1 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-7)3 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)2 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)2 \\ 4 \end{smallmatrix} \right]$

$$\gamma = 0.57721 56649$$

See Examples 1-2.