

Table 11.1

INTEGRALS OF BESSEL FUNCTIONS

x	$\int_0^x J_0(t) dt$	$\int_0^x Y_0(t) dt$	$e^{-x} \int_0^x I_0(t) dt$	$e^x \int_x^\infty K_0(t) dt$
0.0	0.00000 00000	0.00000 00000	0.00000 00	1.57079 63
0.1	0.09991 66979	-0.21743 05666	0.09055 92	1.35784 82
0.2	0.19933 43325	-0.34570 88380	0.16429 28	1.25032 54
0.3	0.29775 75802	-0.43928 31758	0.22391 79	1.17280 09
0.4	0.39469 85653	-0.50952 48283	0.27172 46	1.11171 28
0.5	0.48968 05066	-0.56179 54559	0.30964 29	1.06127 17
0.6	0.58224 12719	-0.59927 15570	0.33929 99	1.01836 48
0.7	0.67193 68094	-0.62409 96341	0.36206 71	0.98109 70
0.8	0.75834 44308	-0.63786 88991	0.37910 05	0.94821 80
0.9	0.84106 59149	-0.64184 01770	0.39137 42	0.91885 56
1.0	0.91973 04101	-0.63706 93766	0.39970 88	0.89237 52
1.1	0.99399 71082	-0.62447 91607	0.40479 52	0.86829 97
1.2	1.06355 76711	-0.60490 26964	0.40721 52	0.84626 10
1.3	1.12813 83885	-0.57911 12548	0.40745 78	0.82596 89
1.4	1.18750 20495	-0.54783 19295	0.40593 39	0.80719 04
1.5	1.24144 95144	-0.51175 90340	0.40298 85	0.78973 57
1.6	1.28982 09734	-0.47156 13039	0.39891 09	0.77344 80
1.7	1.33249 68829	-0.42788 62338	0.39394 29	0.75819 62
1.8	1.36939 85727	-0.38136 24134	0.38828 68	0.74386 97
1.9	1.40048 85208	-0.33260 04453	0.38211 11	0.73037 44
2.0	1.42577 02932	-0.28219 28501	0.37555 57	0.71762 95
2.1	1.44528 81525	-0.23071 32490	0.36873 67	0.70556 50
2.2	1.45912 63387	-0.17871 50399	0.36174 98	0.69412 02
2.3	1.46740 80303	-0.12672 97284	0.35467 38	0.68324 16
2.4	1.47029 39949	-0.07526 50420	0.34757 29	0.67288 26
2.5	1.46798 09446	-0.02480 29261	0.34049 93	0.66300 15
2.6	1.46069 96081	+0.02420 24953	0.33349 48	0.65356 16
2.7	1.44871 25408	0.07132 69288	0.32659 30	0.64452 98
2.8	1.43231 16899	0.11617 78353	0.31981 99	0.63587 68
2.9	1.41181 57386	0.15839 62206	0.31319 59	0.62757 60
3.0	1.38756 72520	0.19765 82565	0.30673 62	0.61960 34
3.1	1.35992 96508	0.23367 66986	0.30045 18	0.61193 74
3.2	1.32928 40386	0.26620 20748	0.29435 04	0.60455 84
3.3	1.29602 59125	0.29502 36222	0.28843 67	0.59744 84
3.4	1.26056 17835	0.31996 99576	0.28271 31	0.59059 11
3.5	1.22330 57382	0.34090 94657	0.27718 02	0.58397 14
3.6	1.18467 59706	0.35775 03989	0.27183 70	0.57757 57
3.7	1.14509 13136	0.37044 06831	0.26668 11	0.57139 13
3.8	1.10496 78009	0.37896 74266	0.26170 94	0.56540 66
3.9	1.06471 52877	0.38335 61369	0.25691 78	0.55961 09
4.0	1.02473 41595	0.38366 96479	0.25230 18	0.55399 42
4.1	0.98541 21560	0.38000 67672	0.24785 61	0.54854 72
4.2	0.94712 13375	0.37250 06552	0.24357 56	0.54326 15
4.3	0.91021 52175	0.36131 69475	0.23945 46	0.53812 91
4.4	0.87502 60866	0.34665 16398	0.23548 74	0.53314 27
4.5	0.84186 25481	0.32872 87513	0.23166 83	0.52829 52
4.6	0.81100 72858	0.30779 77892	0.22799 15	0.52358 03
4.7	0.78271 50802	0.28413 10351	0.22445 13	0.51899 19
4.8	0.75721 10902	0.25802 06786	0.22104 21	0.51452 43
4.9	0.73468 94106	0.22977 58227	0.21775 83	0.51017 24
5.0	0.71531 19178	0.19971 93876	0.21459 46	0.50593 10
	$\left[\begin{smallmatrix} (-4)7 \\ 7 \end{smallmatrix} \right]$		$\left[\begin{smallmatrix} (-3)2 \\ 6 \end{smallmatrix} \right]$	