

SPHERICAL BESSEL FUNCTIONS—ORDERS 20 AND 21 Table 10.3

x	$10^{26}f_{20}(x)$	$10^{27}f_{21}(x)$	$10^{-24}g_{20}(x)$	$10^{-25}g_{21}(x)$
0.0	7.62597 90	1.77348 35	-0.31983 10	-1.31130 70
0.5	7.62705 91	1.77371 23	-0.31988 11	-1.31149 33
1.0	7.63028 29	1.77439 56	-0.32003 25	-1.31205 61
1.5	7.63560 15	1.77552 32	-0.32028 86	-1.31300 70
2.0	7.64293 25	1.77707 85	-0.32065 49	-1.31436 61
2.5	7.65215 99	1.77903 78	-0.32113 96	-1.31616 11
3.0	7.66313 22	1.78137 03	-0.32175 30	-1.31842 87
3.5	7.67566 19	1.78403 80	-0.32250 82	-1.32121 43
4.0	7.68952 28	1.78699 49	-0.32342 08	-1.32457 29
4.5	7.70444 90	1.79018 73	-0.32450 98	-1.32856 95
5.0	7.72013 23	1.79355 29	-0.32579 69	-1.33328 02
5.5	7.73621 95	1.79702 05	-0.32730 79	-1.33879 33
6.0	7.75231 00	1.80050 95	-0.32907 24	-1.34521 03
6.5	7.76795 28	1.80392 94	-0.33112 44	-1.35264 77
7.0	7.78264 38	1.80717 91	-0.33350 34	-1.36123 89
7.5	7.79582 23	1.81014 64	-0.33625 47	-1.37113 69
8.0	7.80686 80	1.81270 77	-0.33943 07	-1.38251 67
8.5	7.81509 84	1.81472 70	-0.34309 23	-1.39557 96
9.0	7.81976 53	1.81605 56	-0.34731 02	-1.41055 73
9.5	7.82005 32	1.81653 14	-0.35216 70	-1.42771 82
10.0	7.815076	1.815979	-0.35776 04	-1.447374
10.5	7.803876	1.814208	-0.36420 59	-1.469891
11.0	7.785428	1.811016	-0.37164 20	-1.495697
11.5	7.758627	1.806185	-0.38023 59	-1.525305
12.0	7.722309	1.799482	-0.39019 23	-1.559325
12.5	7.675238	1.790664	-0.40176 53	-1.598497
13.0	7.616116	1.779472	-0.41527 46	-1.643728
13.5	7.543601	1.765639	-0.43113 22	-1.696143
14.0	7.456316	1.748885	-0.44987 76	-1.757166
14.5	7.352841	1.728929	-0.47223 40	-1.828625
15.0	7.231764	1.705481	-0.49918 70	-1.912922
15.5	7.091689	1.678251	-0.53209 15	-2.013273
16.0	6.931265	1.646956	-0.57279 98	-2.134049
16.5	6.749220	1.611324	-0.62378 79	-2.281228
17.0	6.544411	1.571096	-0.68821 72	-2.462936
17.5	6.315851	1.526041	-0.76981 49	-2.689957
18.0	6.062784	1.475960	-0.87240 01	-2.975253
18.5	5.784739	1.420698	-0.99883 14	-3.336925
19.0	5.481584	1.360155	-1.149171	-3.789188
19.5	5.153621	1.294299	-1.317987	-4.344958
20.0	4.801647	1.223178	-1.490982	-5.004711
20.5	4.427041	1.146936	-1.641599	-5.745922
21.0	4.031843	1.065826	-1.728777	-6.508927
21.5	3.618830	0.98022 63	-1.697442	-7.182333
22.0	3.191590	0.89065 46	-1.483467	-7.592679
22.5	2.754567	0.79777 92	-1.024223	-7.504782
23.0	2.313103	0.70243 25	-0.274630	-6.640003
23.5	1.873442	0.60561 45	+0.773430	-4.717888
24.0	1.442686	0.50849 80	2.072631	-1.52185
24.5	1.028721	0.41242 27	3.508629	+3.01816
25.0	0.640055	0.31888 30	4.901591	+8.74251

$$\begin{bmatrix} (-3)3 \\ 6 \end{bmatrix}$$

$$\begin{bmatrix} (-4)7 \\ 5 \end{bmatrix}$$

$$j_n(x) = f_n x^n \exp(-x^2/4n+2) \quad y_n(x) = g_n x^{-(n+1)} \exp(x^2/4n+2)$$

Compiled from National Bureau of Standards, Tables of spherical Bessel functions, vols. I, II. Columbia Univ. Press, New York, N.Y., 1947 (with permission).