

BESSEL FUNCTIONS—MISCELLANEOUS ZEROS Table 9.7

s^{th} Zero of $J_0(x)Y_0(\lambda x) - Y_0(x)J_0(\lambda x)$

$\lambda^{-1} \setminus s$	1	2	3	4	5	$\langle \lambda \rangle$
* 0.80	12.55847 031	25.12877	37.69646	50.26349	62.83026	1
0.60	4.69706 410	9.41690	14.13189	18.84558	23.55876	2
0.40	2.07322 886	4.17730	6.27537	8.37167	10.46723	3
0.20	0.76319 127	1.55710	2.34641	3.13403	3.92084	5
0.10	0.33139 387	0.68576	1.03774	1.38864	1.73896	10
0.08	0.25732 649	0.53485	0.81055	1.08536	1.35969	13
0.06	0.18699 458	0.39079	0.59334	0.79522	0.99673	17
0.04	0.12038 637	0.25340	0.38570	0.51759	0.64923	25
0.02	0.05768 450	0.12272	0.18751	0.25214	0.31666	50
0.00	0.00000 000	0.00000	0.00000	0.00000	0.00000	∞

s^{th} Zero of $J_1(x)Y_1(\lambda x) - Y_1(x)J_1(\lambda x)$

$\lambda^{-1} \setminus s$	1	2	3	4	5	$\langle \lambda \rangle$
* 0.80	12.59004 151	25.14465	37.70706	50.27145	62.83662	1
0.60	4.75805 426	9.44837	14.15300	18.86146	23.57148	2
0.40	2.15647 249	4.22309	6.30658	8.39528	10.48619	3
0.20	0.84714 961	1.61108	2.38532	3.16421	3.94541	5
0.10	0.39409 416	0.73306	1.07483	1.41886	1.76433	10
0.08	0.31223 576	0.57816	0.84552	1.11441	1.38440	13
0.06	0.23235 256	0.42843	0.62483	0.82207	1.02001	17
0.04	0.15400 729	0.28296	0.41157	0.54044	0.66961	25
0.02	0.07672 788	0.14062	0.20409	0.26752	0.33097	50
0.00	0.00000 000	0.00000	0.00000	0.00000	0.00000	∞

s^{th} Zero of $J_1(x)Y_0(\lambda x) - Y_1(x)J_0(\lambda x)$

$\lambda^{-1} \setminus s$	1	2	3	4	5	$\langle \lambda \rangle$
* 0.80	6.56973 310	18.94971	31.47626	44.02544	56.58224	1
* 0.60	2.60328 138	7.16213	11.83783	16.53413	21.23751	2
0.40	1.24266 626	3.22655	5.28885	7.36856	9.45462	3
0.20	0.51472 663	1.24657	2.00959	2.78326	3.56157	5
0.10	0.24481 004	0.57258	0.90956	1.25099	1.59489	10
0.08	0.19461 772	0.45251	0.71635	0.98327	1.25203	13
0.06	0.14523 798	0.33597	0.53005	0.72594	0.92301	17
0.04	0.09647 602	0.22226	0.34957	0.47768	0.60634	25
0.02	0.04813 209	0.11059	0.17353	0.23666	0.29991	50
0.00	0.00000 000	0.00000	0.00000	0.00000	0.00000	∞

$\langle \lambda \rangle$ = nearest integer to λ .

Compiled from British Association for the Advancement of Science, Bessel functions, Part I. Functions of orders zero and unity, Mathematical Tables, vol. VI (Cambridge Univ. Press, Cambridge, England, 1950) (with permission).

*See page II.