

Table 1. *Maxima and minima of $J_n(z)$; z values for $J'_n(z) = 0$*

n	$s=0$	1	2	3	4	5
0	0.0000	3.8317	7.0156	10.1735	13.3237	16.4706
1	1.8412	5.3314	8.5363	11.7060	14.8636	18.0155
2	3.0542	6.7061	9.9695	13.1704	16.3475	19.5129
3	4.2012	8.0152	11.3459	14.5858	17.7887	20.9725
4	5.3176	9.2824	12.6819	15.9641	19.1960	22.4010
5	6.4156	10.5199	13.9872	17.3128	20.5755	23.8036
6	7.5013	11.7349	15.2682	18.6374	21.9317	25.1839
7	8.5778	12.9324	16.5294	19.9419	23.2681	26.5450
8	9.6474	14.1155	17.7740	21.2291	24.5872	27.8893
9	10.7114	15.2867	19.0046	22.5014	25.8913	29.2186
10	11.7709	16.4479	20.2230	23.7607	27.1820	30.5345
11	12.8265	17.6003	21.4309	25.0085	28.4609	31.8384
12	13.8788	18.7451	22.6293	26.2460	29.7290	33.1314
13	14.9284	19.8832	23.8194	27.4743	30.9874	34.4145
14	15.9754	21.0154	25.0020	28.6943	32.2370	35.6885
15	17.0203	22.1422	26.1778	29.9066	33.4784	36.9542
16	18.0633	23.2643	27.3474	31.1119	34.7125	38.2121
17	19.1045	24.3819	28.5114	32.3109	35.9396	39.4628
18	20.1441	25.4956	29.6701	33.5039	37.1604	40.7068
19	21.1823	26.6055	30.8241	34.6915	38.3752	41.9446
20	22.2191	27.7121	31.9737	35.8739	39.5845	43.1765
21	23.2548	28.8156	32.1192	37.0516	40.7886	44.4030
22	24.2894	29.9161	34.2608	38.2249	41.9879	45.6243
23	25.3229	31.0140	35.3988	39.3940	43.1825	46.8408
24	26.3555	32.1093	36.5334	40.5591	44.3729	48.0526
25	27.3872	33.2023	37.6649	41.7206	45.5592	49.2601
26	28.4181	34.2930	38.7934	42.8786	46.7416	50.4634
27	29.4482	35.3816	39.9191	44.0332	47.9203	51.6629
28	30.4775	36.4683	41.0421	45.1847	49.0956	52.8586
29	31.5062	37.5531	42.1626	46.3333	50.2674	54.0507
30	32.5342	38.6361	43.2807	47.4790	51.4364	55.2395

workers in different fields of diffraction, or in other fields of science and engineering.

Professor G. J. Davies is thanked for the provision of Laboratory accommodation and services. Thanks are due to

Dr Linda Amos for providing a copy of the original program and Mr P. J. Leman, Programmer at Sheffield University Computing Service, for adapting it and arranging for the computation to be satisfactorily concluded.

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Acta Cryst. (1981). **A37**, 766

On the application of Hamilton's test: an incorrect formula in *International Tables for X-ray Crystallography*, Vol. IV. By WERNER WINTER, *Institut für Organische Chemie der Universität Tübingen, Auf der Morgenstelle 18, D-7400 Tübingen, Federal Republic of Germany*

(Received 3 April 1981; accepted 24 April 1981)

Abstract

For Hamilton's R -factor ratio test, formula (7) in chapter 4.2 of *International Tables for X-ray Crystallography* (1974), Vol. IV, is incorrect and should be replaced by

$$\mathcal{R}_{b,N_1,\alpha} = 1 + \frac{4000}{N_1} (\mathcal{R}_{b,4000,\alpha} - 1).$$

All relevant information is given in the *Abstract*.

Reference

- International Tables for X-ray Crystallography* (1974). Vol. IV, pp. 285–310. Birmingham: Kynoch Press.