

MATHEMATICAL TABLES—ERRATA

In this issue references to errata have been made in RMT's 1065, 1068 and 1069.

221.—L. A. LIÛSTERNIK, I. Īa. AKUSHSKIĪ, & V. A. DITKIN, *Tabliŕsy Besselevykh Funktsiĭ*. (*Matematicheskie Tabliŕsy*, no. 1.) [Tables of Bessel Functions (Mathematical Tables, v. 1)] 1949. [*MTAC*, v. 5, p. 25.]

In addition to the errors noted in *MTAC*, v. 5, p. 25, the following errata were discovered by inspection and checking of differences.

<i>p.</i>	<i>x</i>	$J_0(x)$		$J_1(x)$	
		<i>for</i>	<i>read</i>	<i>for</i>	<i>read</i>
11	0.167	9920399	9930399		
25	0.860			3914929	3914529
41	1.678			694	674
46	1.944	2592767	2562767		
51	2.171	1265437	1265435		
54	2.343	5119	5319		
67	2.983			3457353	3453753
74	3.345			2000896	2020896
81	3.662	608	698		
86	3.939			425404	425434
87	3.960			506903	506953
89	4.099	8887728	3887728		
94	4.316	4769	1769		
94	4.326			0801626	1801626
143	6.755	791	789		
148	7.046			-0.0091064	+0.0091064
162	7.750			1916006	1916026
170	8.141			2501847	2521847
181	8.674			2707632	2707622
204	9.849			2247	2447
205	9.896	696	694		
208	10.028			2606	2506
231	11.179	2914	2014		
254	12.350			1356	1354
266	12.930	2040869	2014869		
271	13.152	2151370	2151350		
274	13.340			25587	35587
279	13.575	2115728	2115428		
286	13.908			1179283	1179223
294	14.317	1210012	1215012		
299	14.557	760050	764050		
299	14.562	750175	754175		
299	14.577	720459	724459		
304	14.837	190310	194310		
308	15.047	230301	238301		

<i>p.</i>	<i>x</i>	$J_0(x)$		$J_1(x)$	
		<i>for</i>	<i>read</i>	<i>for</i>	<i>read</i>
310	15.128			1998981	1998921
311	15.173			1972955	1972925
328	16.260	1920047	1921047		
332	18.490			162	164
345	25.000	101	99		

Three dozen values in which the errors amounted to one unit in the last place have not been included in this list.

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222.—N. W. MCLACHLAN, P. HUMBERT, & L. POLI, *Supplément au Formulaire pour le Calcul Symbolique*. Mémorial des Sciences Mathématiques, fasc. 113, 1950.

In addition to the errata published in *MTAC*, v. 6, p. 101, the following errors occur.

- p. 5, item 2; *for* $Ei(-x)$ on the r.h.s. *read* $Ei(x)$.
- p. 5, line 10; *insert*) after x .
- p. 6, formula 7; *for* the last + *read* -.
- p. 7, formula 3; *for* x^α *read* $x^{-\alpha}$.
- p. 10, second item for p. 12; *for* $\phi(\log p)$ *read* $\phi(\log p) - f(0)$.
- p. 10, second item for p. 14; *for* - 1 *read* - p .
- p. 11, item for p. 34; *read* delete formulas 3-10.
- p. 11, item for p. 47; *for* $-a^3/s^3$ *read* $-a^2/s^3$.
- p. 11, item for p. 48; *for* $I_n(p^2/2)$ *read* $I_n(2/p^2)$ as in first edition.
- p. 14, formula 10; *for* p^n *read* p .
- p. 15, formula 8; lower limit in second integral should be p .
- p. 16, formula 8; *for* 2^n *read* $2^{n/2}$, and *for* $x/2\sqrt{t}$ *read* $x/\sqrt{2t}$.
- p. 22, sixth formula from foot; in denominator *for* p *read* p^r .
- p. 26, formulas 4, 5; *delete*.
- p. 27, last formula; *replace* l.h.s. by $\log \{(t+1)/(t-1)\}$, and r.h.s. by $e^{-p}(\log 2p + \gamma) - e^p Ei(-2p)$, $t > 1$.
- p. 28, formula 1; *multiply* the r.h.s. by 2.
- p. 31, formulas 3, 8; the centre sign on the l.h.s. should be +.
- p. 43, formula 9; on the r.h.s. *for* $(ab)^{2m+r}(2b)^{\mu+1}$ *read* $2^{\mu+1}a^{2m+r}b^{\frac{1}{2}(\mu+r+1)+m}$.
- p. 43, in the last two integrals, *for* dx *read* dt .

I am indebted to A. ERDÉLYI for some of these corrections.

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223.—W. MEYER ZUR CAPELLEN, *Integraltafeln*, Springer, Berlin, 1950 [RMT 1090].

P. 224, column 3, formula 1.1.0.1, line 3. For $(n - 3)$ read $(n - 2)$.

P. 274, column 3, formula 1.3.1.2, line 2.

For

$$U(x) = ax^2 - \frac{2a^2 - b^2}{p} x - \frac{2a}{p^2} (a^2 - 3b^2)$$

read

$$U(x) = ax^2 - \frac{2(a^2 - b^2)}{p} x + \frac{2a}{p^2} (a^2 - 3b^2).$$

P. 275, column 3, formula 2.3.1.0. For $(a \sin bx + b \cos bx)$ read $(a \cos bx + b \sin bx)$.

These are in addition to the loose leaf sheet of errata supplied with the book.

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224.—NBSMTP, *Table of Natural Logarithms*, v. 4. New York, 1941.

Table I, p. 484, in the argument column

$$\text{for } x = 9.2834 \quad \text{read } x = 9.8234$$

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225.—J. W. NICHOLSON & J. R. AIREY, *BAAS Report*, 1927.

In the table of confluent hypergeometric functions, p. 220–254, there is an error on p. 243 in $M(7/2, 4, .5)$.

$$\text{for } x = 1.55306 \quad \text{read } 1.55290$$

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226.—G. W. SPENCELEY & R. M. SPENCELEY, *Smithsonian Elliptic Functions Tables*, Publ. no. 3863, Washington, 1947. [See *MTAC*, v. 3, p. 89.]

The whole $E(\phi, k)$ column (p. 71, 73) for the modular angle $\theta = 18^\circ$ is wrong. It should read:

r	$E(\phi, k)$	r	$E(\phi, k)$
0	0.00000 00000 00	6	0.10732 43169 64
1	0.01789 37526 82	7	0.12519 52058 38
2	0.03578 64115 08	8	0.14305 85232 78
3	0.05367 68841 57	9	0.16091 32180 25
4	0.07156 40813 75	10	0.17875 82508 48
5	0.08944 69184 96		

r	$E(\phi, k)$	r	$E(\phi, k)$
11	0.19659 25959 83	51	0.89234 65066 55
12	0.21441 52425 30	52	0.90917 36431 51
13	0.23222 51958 40	53	0.92597 22079 17
14	0.25002 14788 57	54	0.94274 25147 28
15	0.26780 31334 34	55	0.95948 49102 74
16	0.28556 92216 21	56	0.97619 97735 85
17	0.30331 88268 98	57	0.99288 75154 29
18	0.32105 10553 91	58	1.00954 85776 81
19	0.33876 50370 29	59	1.02618 34326 61
20	0.35645 99266 71	60	1.04279 25824 46
21	0.37413 49051 83	61	1.05937 65581 55
22	0.39178 91804 68	62	1.07593 59192 16
23	0.40942 19884 56	63	1.09247 12526 02
24	0.42703 25940 37	64	1.10898 31720 49
25	0.44462 02919 51	65	1.12547 23172 55
26	0.46218 44076 22	66	1.14193 93530 55
27	0.47972 42979 52	67	1.15838 49685 84
28	0.49723 93520 44	68	1.17480 98764 16
29	0.51472 89918 93	69	1.19121 48116 95
30	0.53219 26730 08	70	1.20760 05312 41
31	0.54962 98849 91	71	1.22396 78126 53
32	0.56704 01520 56	72	1.24031 74533 91
33	0.58442 30334 98	73	1.25665 02698 50
34	0.60177 81241 05	74	1.27296 70964 18
35	0.61910 50545 24	75	1.28926 87845 34
36	0.63640 34915 61	76	1.30555 62017 22
37	0.65367 31384 42	77	1.32183 02306 31
38	0.67091 37350 12	78	1.33809 17680 52
39	0.68812 50578 87	79	1.35434 17239 46
40	0.70530 69205 52	80	1.37058 10204 46
41	0.72245 91734 12	81	1.38681 05908 66
42	0.73958 17037 93	82	1.40303 13787 01
43	0.75667 44358 87	83	1.41924 43366 20
44	0.77373 73306 65	84	1.43545 04254 61
45	0.79077 03857 25	85	1.45165 06132 12
46	0.80777 36351 12	86	1.46784 58740 01
47	0.82474 71490 80	87	1.48403 71870 72
48	0.84169 10338 19	88	1.50022 55357 67
49	0.85860 54311 38	89	1.51641 19065 02
50	0.87549 05181 05	90	1.53259 72877 46

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