NOTE

Translation of Russian Journal

Pergamon Press, Ltd. has announced the initiation in 1962 of the quarterly publication for the Pergamon Institute of *U. S. S. R. Computational Mathematics and Mathematical Physics*, consisting of papers translated from *Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki*, which succeeded *Vychislitel'naia Matematika* in 1961. (For an announcement of the latter, see *MTAC*, v. 13, 1959, p. 231.)

The new publication includes also the translated lists of contents of all the Russian issues appearing up to the time of going to press.

The editorial board consists of R. A. Brooker, L. Fox, D. C. Gilles, C. B. Haselgrove, A. S. Householder, A. Salam, G. F. J. Temple, A. Thom, and J. H. Wilkinson. The scientific translation editor is R. A. Buckingham and the translator is Ruth Feinstein.

TABLE ERRATA

338.—A. Erdélyi, W. Magnus, F. Oberhettinger, & F. G. Tricomi, *Higher Transcendental Functions*, v. 1–3, McGraw-Hill Book Company, Inc., New York, 1953–1955.

In v. 1, on p. 144, the right side of eq. (8) should be multiplied by -1.

In v. 2, on p. 119, the first factor of the right side of eq. (20) should read $\left(\frac{z}{2\pi}\right)^{1/2}$.

On the succeeding page, in eq. (5) the factor $e^{-(1/2)a/z}$ should be replaced by $e^{-(1/4)a/z}$.

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339.—Jahnke-Emde-Lösch, *Tables of Higher Functions*, sixth edition, revised by F. Lösch, McGraw-Hill Book Company, New York, 1960.

On page 228, in Table 38, the following terminal-digit corrections are necessary in the tabulated values of the modified Hankel function of order $\frac{2}{3}$.

x	$(2/\pi)K_{2/3}(x)$ *for*	*read*
0.1	3.026	3.025
0.3	1.2716	1.2647
0.4	0.9681	0.9658
0.5	0.7678	0.7677
2.8	0.029877	0.029878
2.9	0.026540	0.026541
3.6	0.011770	0.011769
3.7	0.010499	0.010498
3.8	0.009369	0.009368
3.9	0.008362	0.008363
5.2	0.0019637	0.0019636

All these errors exceed 0.6 unit in the final decimal place. This list, which resulted from a check of the entire table, is believed to contain all errors significantly greater than possible minor rounding errors.

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340.—H. Riesel, "All factors $q < 10^8$ in all Mersenne numbers $2^p - 1$, p prime $< 10^4$," *Math. Comp.*, v. 16, 1962, p. 478–482.

In the table of factors of M_p the following corrections are necessary.

The line

9337	2838449·2405633

should be replaced by the two lines:

9337	2838449
9397	2405633

Similarly, the line

9601	3513967·16974569·17256487

should be replaced by the two lines:

9601	3513967·16974569
9619	17256487

Moreover, two new entries should be inserted between the lines corresponding to $p = 1439$ and $p = 1543$. These additional lines are:

1451	174121·696481
1459	93377

All other entries in this table are correct, and no further factors less than the stated limit have been omitted.

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341.—L. J. Slater, *Confluent Hypergeometric Functions*, Cambridge University Press, 1960.

On page 64, in Section 4.2, entitled "Converging factors for Kummer's functions," several corrections are necessary in equations (4. 2. 18).

The constant term in the expression for b_2 should read $\frac{8}{2835}$, in place of $-\frac{8}{567}$.

In the expression for b_3, the term free of k should read

$$\frac{\mu^2}{\lambda} - \frac{1}{3}\lambda^2 + \frac{13}{3}\mu + \frac{14}{3}\lambda - \frac{16}{8505},$$

in place of

$$\frac{7}{3}\mu - \frac{13}{3}\lambda^2 + \frac{643}{540}\lambda - \frac{16}{8505}.$$

In the expression for b_4, the following three substitutions should be made:

(1) The coefficient of k^2 should read

$$-2\lambda^2 - \frac{\mu^2}{\lambda} - 6\mu - \frac{364}{45}\lambda + \frac{152}{8505},$$

in place of

$$2\lambda^2 - 4\mu - \frac{1321}{180}\lambda + \frac{152}{8505}.$$

(2) The coefficient of k should read

$$2\lambda\mu + \frac{4}{3}\frac{\mu^2}{\lambda} + \frac{13}{3}\lambda^2 + \frac{679}{135}\mu + \frac{2678}{567}\lambda - \frac{64}{8505},$$

in place of

$$2\lambda\mu - \lambda^2 + \frac{319}{135}\mu + \frac{2111}{567}\lambda - \frac{64}{8505}.$$

(3) The term independent of k, indicated in the book merely by ϵ_4, is

$$\frac{5}{3}\lambda\mu - \frac{1}{3}\lambda^3 - \frac{\mu^3}{\lambda^2} - \frac{22}{3}\frac{\mu^2}{\lambda} + \frac{583}{135}\lambda^2 - \frac{2473}{135}\mu - \frac{2066}{135}\lambda - \frac{8992}{12629925}.$$

The undersigned have also found the complete expression for b_5 and all of the expression for b_6 except for the term independent of k.

Furthermore, three minor misprints occur in the text: on p. 61, on the second line of section 4.2, in the formula for S_1, *for* $n!$, *read* $r!$; on p. 64, in the first of equations (4.2.17), *for* $b_0'' - b_1'$, *read* $b_0'' - b_0'$; and in the last of equations (4.2.17), *for* $b_{n+1}'' - b_{n+1}''$, *read* $b_{n+1}'' - b_{n+1}'$.

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CORRIGENDA

James H. Bramble, "Fourth-order finite difference analogues of the Dirichlet problem for Poisson's equation in three and four dimensions," *Math. Comp.*, v. 17, 1963, p. 217–222.

The author's affiliation is given incorrectly on p. 222; it should read

Institute of Fluid Dynamics and Applied Mathematics
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This is stated correctly at the end of his review on p. 311.

John Brillhart, "Concerning the numbers $2^{2p} + 1$, p prime," *Math. Comp.*, v. 16, 1962, p. 424–430.

On p. 424, in section 2A, *read* "it easily follows that $5|A_p$ iff $p \equiv \pm 3 \pmod 8$ and $5|B_p$ iff $p \equiv \pm 1 \pmod 8$."

In the Table of Factors the first factor of B_p when $p = 227$ should read 5449, instead of 54449. Corresponding to $p = 443$, the entries c and 5 should be interchanged.

A typographical error at $p = 769$ has previously been noted (*Math. Comp.*, v. 17, 1963, p. 215).

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