5. ———, *Sul pentaedro complete*, Rendiconti della Accademia dei Lincei, vol. 7, no. 5.

6. ———, *Sopra la configurazione del pentaedro*, Rendiconti del Circolo Matematico di Palermo, vol. 21 (1906), pp. 322–341.

7. ———, *Una interpretazione geometrica del gruppo totale di sostituzioni sopra sei elementi*, Annali di Matematica Pura ed Applicata, 1909.

8. Corrado Segre, *Sulla varietà cubica con dieci punti doppi dello spazio a quattro dimensioni*, Atti della Accademia delle Scienze di Torino, vol. 22 (1886–1887), p. 791.

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CORRECTION TO "ON GREEN'S FUNCTIONS IN THE THEORY OF HEAT CONDUCTION IN SPHERICAL COORDINATES"*

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In the article entitled *On Green's functions in the theory of heat conduction* by H. S. Carslaw and J. C. Jaeger (this Bulletin, vol. 45 (1939), pp. 407–413), a misprint is noted in the expression for G on page 133 of my article *On the operational determination of two dimensional Green's functions in the theory of heat conduction* (this Bulletin, vol. 44 (1938), pp. 125–133), the correct expression for G being

$$G = u + v = \frac{1}{4\pi} \sum_{n=-\infty}^{\infty} \cos n(\theta - \theta_0) \int_{-\infty}^{\infty} \alpha e^{-k\alpha^2 t} \frac{H_n^{(1)}(\alpha r_0)}{U_n(a\alpha)} \cdot \left\{ J_n(\alpha r) U_n(\alpha a) - H_n^{(1)}(\alpha r) \left[\alpha \frac{d}{dz} J_n(z) + h J_n(z) \right]_{z=\alpha a} \right\} d\alpha,$$

where

$$U_n(\alpha a) = \left[\alpha \frac{d}{dz} H_n^{(1)}(z) + h H_n^{(1)}(z) \right]_{z=\alpha a}.$$

When this correct expression is employed, formula (20), page 313, of the present paper becomes

$$\begin{aligned} G(r, \theta, \phi, t; r_0, \theta_0, \phi_0) &= \frac{1}{8\pi (r r_0)^{1/2}} \sum_{n=0}^{\infty} (2n+1) P_n(\cos\gamma) \\ \text{(A)} \qquad &\cdot \int_{-\infty}^{\infty} \alpha e^{-k\alpha^2 t} \frac{H_{n+1/2}^{(1)}(\alpha r_0)}{U_{n+1/2}(\alpha a)} \left\{ J_{n+1/2}(\alpha r) U_{n+1/2}(\alpha a) - H_{n+1/2}^{(1)}(\alpha r) \right. \\ &\left. \cdot \left[\alpha \frac{d}{dz} J_{n+1/2}(z) + (h - 1/(2a)) J_{n+1/2}(z) \right]_{z=\alpha\alpha} \right\} d\alpha. \end{aligned}$$

* This Bulletin, vol. 45 (1939), pp. 310–315.

Further, when the last expression is integrated in accordance with the statement in the last paragraph of page 314, the correct version of formula (26) becomes

$$G(r, t; r_0) = \frac{1}{8\pi^{3/2}(kt)^{1/2}rr'}\left[\exp\left\{-\frac{(r-r')^2}{4kt}\right\} + \exp\left\{-\frac{(r+r'-2a)^2}{4kt}\right\} + 2\left(h-\frac{1}{a}\right) \cdot \int_0^\infty \exp\left\{\left(h-\frac{1}{a}\right)\xi - \frac{(r+r'+\xi-2a)^2}{4kt}\right\} d\xi\right].$$

The above developments in the second paragraph of page 315 of the present paper ending with equation (28) are incorrect, the correct version of formula (28) being once more (A).

The factor $J_n(\alpha r)$ in the bracket of equation (22) on page 314 should be replaced by $J_{n+1/2}(\alpha r)$.

The factor 1/2 in equation (1) on page 310, should be replaced by 1/8.

The phrase "the former analogy" in the first paragraph of the second section of page 313 should read "the formal analogy."

I am indebted to Professor H. S. Carslaw, for calling my attention to the errors above mentioned and for suggesting the appropriate corrections.

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