

ERRATA
of “*Light Scattering by a Spheroidal Particle*”
S. Asano and G. Yamamoto, *Applied Optics*, **14**, 29-49 (1975)

The following errors in the paper should be noted.

1) The left-hand side of Eq. (4) should read \mathcal{H}^2 .

2) The final term on the right-hand side of Eq. (60) for A_t^{mn} should be

$$-\frac{t(t-1)}{(2t+2m-3)}d_{t-2}^{mn}, \quad (n-m)+t = \text{even}.$$

3) The first term on the second row of the result of Eq. (67) for H_t^{mn} should be

$$-\frac{t(t-1)(t+m-2)}{(2t+2m-3)}d_{t-2}^{mn}.$$

4) The right-hand side of Eq. (96) should read

$$\sum_{m,n} [\alpha_{2,mn} \cdot \sigma_{mn}(\theta) + \beta_{2,mn} \cdot \chi_{mn}(\theta)] \cos m\phi.$$

5) The right-hand side of Eq. (106b) for I_η should read

$$I_\eta = (\lambda^{2(l)}/4\pi^2 r^2) \cdot i_2(\theta) \cdot \cos^2 \phi.$$

6) The right-hand side of Eq. (114) should be

$$\begin{cases} 0, & (m \neq m') \\ \pi, & (m = m' \neq 0) \end{cases}$$

7) The left-hand side of Eq. (115) should read

$$\int_0^\pi [\sigma_{mn}(\theta) \cdot \chi_{mn'}(\theta) + \sigma_{mn'}(\theta) \chi_{mn}(\theta)] \sin \theta d\theta.$$

8) The summation terms on the right-hand side of Eqs. (116) and (118) should be

$$\frac{\lambda^{2(l)}}{4\pi} \sum_{m=0} (1 + \delta_{0m}) \sum_{n=m} \sum_{n'=m}.$$

9) The integral on the right-hand side of Eq. (122) should read

$$\int_{-1}^{+1} (1 - \eta^2)^{1/2} \cdot S_{mn}(c^{(h)}; \eta) \cdot S_{m-1, m-1+t}(c^{(l)}; \eta) d\eta.$$

10) The second row on the left-hand side of Eq. (127a) should read

$$\cdot \gamma_{1,mn}] + i^{n+1} [U_{mn+1}^{(3), 2s+1}(c^{(l)}) \cdot \beta_{1, mn+1}.$$

(S. Asano)