ERRATUM

Volume **127,** Number 2 (1996), in the article "Calculation of the Addition Coefficients in Electromagnetic Multisphere-Scattering Theory," by Yu-lin Xu, pages 285–298: The conclusion on page 292 that Cruzan's original formulas [Eqs. (50), (52), and (53)] lead to $B^{lj}_{mn\mu\nu} \equiv 0$ is incorrect. Multiplied by a factor of $E^{\mu\nu}_{mn}$ [see Eq. (81)], Cruzan's original formulas should read

$$\begin{aligned} A^{lj}_{mn\mu\nu} &= (-1)^m \frac{(2\nu+1)(n+m)!(\nu-\mu)!}{2n(n+1)(n-m)!(\nu+\mu)!} \exp[i(\mu-m)\phi_{lj}] \\ &\quad \times \sum_{q=0}^{q_{\max}} i^p [n(n+1) + \nu(\nu+1) - p(p+1)] \\ &\quad \times a(-m, n, \mu, \nu, p) z_p(kd_{lj}) P_p^{\mu-m}(\cos\theta_{lj}), \end{aligned} \tag{1}$$

$$\begin{aligned} B^{lj}_{mn\mu\nu} &= (-1)^{m+1} \frac{(2\nu+1)(n+m)!(\nu-\mu)!}{2n(n+1)(n-m)!(\nu+\mu)!} \exp[i(\mu-m)\phi_{lj}] \\ &\quad \times \sum_{q=1}^{\Theta_{\max}} i^{p+1} \{[(p+1)^2 - (n-\nu)^2][(n+\nu+1)^2 - (p+1)^2]\}^{1/2} \\ &\quad \times b(-m, n, \mu, \nu, p+1, p) z_{p+1}(kd_{lj}) P_{p+1}^{\mu-m}(\cos\theta_{lj}), \end{aligned} \tag{2}$$

where

$$\begin{aligned} a(-m, n, \mu, \nu, p) &= (-1)^{\mu-m}(2p+1) \left[\frac{(n-m)!(\nu+\mu)!(p+m-\mu)!}{(n+m)!(\nu-\mu)!(p-m+\mu)!}\right]^{1/2} \\ &\quad \times \begin{pmatrix} n & \nu & p \\ -m & \mu & m-\mu \end{pmatrix} \begin{pmatrix} n & \nu & p \\ 0 & 0 & 0 \end{pmatrix}, \end{aligned} \tag{3}$$

$$\begin{aligned} b(-m, n, \mu, \nu, p+1, p) &= (-1)^{\mu-m}(2p+3) \left[\frac{(n-m)!(\nu+\mu)!(p+m-\mu+1)!}{(n+m)!(\nu-\mu)!(p-m+\mu+1)!}\right]^{1/2} \\ &\quad \times \begin{pmatrix} n & \nu & p+1 \\ -m & \mu & m-\mu \end{pmatrix} \begin{pmatrix} n & \nu & p \\ 0 & 0 & 0 \end{pmatrix}, \end{aligned} \tag{4}$$

and

$$\begin{aligned} p &= n + \nu - 2q, \qquad q_{\max} = \min[n, \nu, (n + \nu - |m-\mu|)/2], \\ \Theta_{\max} &= \min[n, \nu, (n + \nu + 1 - |m-\mu|)/2]. \end{aligned} \tag{5}$$

These equations provide numerical results identical to those of Eqs. (82) and (83).

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