Errata

Erratum: Calculation of total inelastic-x-ray-scattering cross sections $(d\sigma/d\Omega)_{inel}$ [Phys. Rev. A 23, 2950 (1981)]

R. A. Bonham

I would like to make the following corrections to my article. On page 2953, Eq. (19) should read

$$K^2 = K_e^2 \left[I - \frac{E}{\omega_0} \right] + \frac{E^2}{c^2} ,$$

which leads to the corrected result

$$\left[\frac{d\sigma}{d\Omega} \right]_{\text{inel}} = \frac{1}{2} \sigma_T (1 + \cos^2 \theta_B^0) \left[S(K_e) - \frac{2K_e^2 N}{\omega_0} + \frac{1}{c^2} \left[(3 - 2\cos 2\theta_B^0) + (5 - 4\cos 2\theta_B^0) K_e^2 \frac{d}{dK^2} \right] S(1, K) \Big|_{K = K_e} - \frac{1}{c^2 \omega_0} \left[1 + (5 - 2\cos 2\theta_B^0) K_e^2 \frac{d}{dK^2} \right] S(2, K) \Big|_{K = K_e} + 0(E_{\text{max}}^{-3.5}) \right]$$

for Eq. (21). The coefficient of the $(\omega_0/c^2)^2$ term in Eq. (22) should be 56 rather than 52 and the coefficient of the $(\omega_0/c^2)^3$ term in Eq. (22) should be 240 instead of 184. The polarization factor in Eq. (25) should read $\frac{1}{2}\sigma_T(1+\cos^22\theta_B)$ instead of $\frac{1}{2}\sigma_T(1+\cos^2\theta_B)$.

I wish to thank Professor A. J. Thakkar for calling my attention to the errors in Eq. (19) and (21) of my paper.

Erratum: Time-dependent local-density theory of dielectric effects in small molecules [Phys. Rev. A 29, 625 (1984)]

Zachary H. Levine and Paul Soven

On page 628 the equations should be corrected to

$$\sigma_{i\nu}(\omega) = 4\pi \alpha \hbar \omega E_f^{1/2} \sum_n |\langle \psi_i | \phi_\nu | \psi_n \rangle|^2$$

and

$$I_{L\nu} = \sum_{\nu} \langle \psi_i | \phi_{\nu} | \psi_n \rangle e^{i\delta_n} C_{nL} i^l.$$

The potential ϕ_v may be either the external or the SCF potential.

On page 632 the equation for λ_n given in the right-hand column should read

 $\lambda_n = \tan \delta_n$.

Erratum: Special relativity: Understanding experimental tests and formulations [Phys. Rev. A 33, 1 (1986)]

D. W. MacArthur

Several errors occurred on page 3 of this paper. In Fig. 1 on the *l* triangle in the ether frame the expression $(1/g_2)\sin\theta$ should be replaced with $(1/g_2)l\sin\theta$. The second equation in the right-hand column should read

$$L^{2} = \left(\frac{1}{g_{2}}\right)^{2} l^{\prime 2} \sin^{2} \alpha + \left(\frac{\gamma}{g_{1}}\right)^{2} l^{\prime 2} \cos^{2} \alpha$$

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