

M. I. Mishchenko, J. W. Hovenier, and L. D. Travis (Eds.)
Light Scattering by Nonspherical Particles:
Theory, Measurements, and Applications
Academic Press, San Diego, 2000

ERRATA

(updated 4/04/04)

(lfb = line from bottom; lft = line from top)

Page 13. Equations (32) and (33) should read

$$C_{\text{sca}} = \frac{1}{I^{\text{inc}}} \int_{4\pi} d\mathbf{n}^{\text{sca}} \tilde{I}(\mathbf{n}^{\text{sca}}), \quad (32)$$

$$\tilde{I} = Z_{11}I^{\text{inc}} + Z_{12}Q^{\text{inc}} + Z_{13}U^{\text{inc}} + Z_{14}V^{\text{inc}}. \quad (33)$$

Page 23. Equation (87) should read

$$\frac{d\mathbf{I}(\vartheta, \varphi)}{d\tau} = -\mathbf{I}(\vartheta, \varphi) + \frac{\overline{\omega}}{4\pi} \int_{-1}^{+1} d(\cos \vartheta') \int_0^{2\pi} d\varphi' \mathbf{Z}_n(\vartheta, \vartheta', \varphi - \varphi') \mathbf{I}(\vartheta', \varphi').$$

Page 47, 20th lft. “Liou, 1998a, Chapter11” should read “Liou, 1998a; Chapter11”

Page 47, 21st lft. “Macke *et al.*, 1996a, Chapter 10” should read “Macke *et al.*, 1996a; Chapter 10”

Page 165, 8th lfb. “Tseng and Fung (1994)” should read “Tzeng and Fung (1994).”

Page 237, Eq. (29). m^1 should be m_1 .

Page 315. Equation (11) should read

$$k_{\text{ext}} = \pi r_{\text{eff}}^2 (1 - v_{\text{eff}}^2)(1 - 2v_{\text{eff}}^2) Q_{\text{ext}}(\text{incl}) n_0$$

Page 348. Equation (59) should read

$$u(\Omega^{\text{sca}}, \Omega^{\text{inc}}) = A_{\perp} \frac{2J_1(k\sqrt{A_{\perp}}/\pi \sin \Theta)}{k\sqrt{A_{\perp}}/\pi \sin \Theta}$$

Page 357. In Eq. (7). “ $\mathbf{M}\gamma$ ” should read “ $\mathbf{M}(\gamma)$ ”

Page 512. Last sentence. The words “lower” and “upper” should be interchanged.

Page 606, 19th lfb. “Baltzer” should read “Balzer”

Page 619, 13th lft, “*Luminol.*” should read “*Limnol.*”

Page 620, 16th lfb. “1.375-ìm” should read “1.375- μm ”

Page 635, 12lfb. “spheroid” should read “spheroidal”

Page 647, 21st lft. “Nussenzvig” should read “Nussenzveig”

Page 665. “Tseng, Y. C., and Fung, A. K. (1994)” should read “Tzeng, Y. C., and Fung, A. K. (1994)”

Page 689, 7th lfb. “Spherical harmonies” should read “Spherical harmonics”

Color plates 14.2, 14.3, 14.4(a), 14.4(b), and 14.5 were supposed to have gray-scale counterparts displaying lidar backscattered energy. The gray-scale images were erroneously omitted in the published version of the book and can be downloaded from the accompanying .pdf files (or obtained from Michael Mishchenko upon request).

**An updated list of corrections can be found at
<http://www.giss.nasa.gov/~crmim/books.html>**

**If you have noticed a typo or a factual error, please e-mail it
to Michael Mishchenko at crmim@giss.nasa.gov**

Your help will be greatly appreciated!