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NANOSTRUCTURED SYSTEMS WITH ARBITRARY ELECTRIC AND MAGNETIC PROPERTIES: DEVELOPMENT AND APPLICATION OF AN EXTENSION OF THE DISCRETE DIPOLE APPROXIMATION (E-DDA)

CORRIGENDA

- Equation (2.13) should read:

$$\mathbf{E}_p = \frac{1}{4\pi\varepsilon_m\varepsilon_0}\left[\mathbf{p}\frac{e^{ikr}}{r}\left(k^2-\frac{1}{r^2}+\frac{ik}{r}\right)+\mathbf{n}\,(\mathbf{n}\cdot\mathbf{p})\,\frac{e^{ikr}}{r}\left(-k^2+\frac{3}{r^2}-\frac{3ik}{r}\right)\right]$$

- Equation (2.20) should read:

$$\mathbf{H}_m = \frac{1}{4\pi}\left[\mathbf{m}\frac{e^{ikr}}{r}\left(k^2-\frac{1}{r^2}+\frac{ik}{r}\right)+\mathbf{n}\,(\mathbf{n}\cdot\mathbf{m})\,\frac{e^{ikr}}{r}\left(-k^2+\frac{3}{r^2}-\frac{3ik}{r}\right)\right]$$

- Equation (5.1) should read:

$$\bar{\bar{\mu}}_r = \left[4\bar{\bar{\mathbf{I}}}-\bar{\bar{\varepsilon}}_r-\frac{i(kd)^3}{\pi}(\bar{\bar{\varepsilon}}_r-\bar{\bar{\mathbf{I}}})\right]\left[2\bar{\bar{\varepsilon}}_r+\bar{\bar{\mathbf{I}}}-\frac{i(kd)^3}{\pi}(\bar{\bar{\varepsilon}}_r-\bar{\bar{\mathbf{I}}})\right]^{-1}$$

- Section 8.1 has been taken from the complete review of the DDA by Yurkin and Hoekstra:

  M. A. Yurkin and A. G. Hoekstra. The discrete dipole approximation: an overview and recent developments. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **106**(1):558-589, 2007.