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Errata as of 28/02/2007

(page 68, first unnumbered equation) The symbol Re should be omitted as the integrand is already real. Therefore, the equation reads

$$\mathbf{F}_{\text{Rad}} = -\frac{1}{4}r^2 \frac{1}{4\pi} \int_{\Omega} (|\mathbf{E}_I + \mathbf{E}_S|^2 + |\mathbf{B}_I + \mathbf{B}_S|^2) \hat{\mathbf{r}} \, d\Omega .$$

(page 68, second unnumbered equation) The right hand side of this equation should be

$$\dots = |\mathbf{E}_I|^2 + |\mathbf{E}_S|^2 + 2\text{Re}(\mathbf{E}_I \cdot \mathbf{E}_S^*) + |\mathbf{B}_I|^2 + |\mathbf{B}_S|^2 + 2\text{Re}(\mathbf{B}_I \cdot \mathbf{B}_S^*) .$$

(page 68, line 9 from top) Change “cross Sect. 2.7” into “cross section (2.7)”

(page 68, line 14 from top) Delete the words “flux of the”

(page 74, line 1 from top) Change “We assume that” into “According to Sect. 1.7.3”

(page 78, first line of equation (4.23)) Insert a subscript I so that the line reads

$$\sigma_{\text{T}} = \frac{4\pi}{I_1 k} \sum_{\eta\eta'} \text{Im}(I_{I\eta\eta'} f_{\eta\eta'}) = \dots$$

(page 79, line 7 from top) Change “(2.8)” into “(2.7)” and “(4.17)” into “(4.18)”

(page 79, equation (4.26)) Delete the fraction “ $\frac{1}{k^2}$ ” after the first equal sign, so that the equation reads

$$\frac{d\sigma_{\text{S}}}{d\Omega} = \frac{1}{I_1} \sum_{\eta\eta'} \text{Re}(I_{I\eta\eta'} \mathbf{f}_{\eta}^* \cdot \mathbf{f}_{\eta'}) = \dots$$

(page 79, first unnumbered equation) Delete the fraction “ $\frac{1}{k^2}$ ” after the equal sign, so that the equation reads

$$\frac{d\tilde{\sigma}_{S\eta\eta'}}{d\Omega} = \sum_{\bar{\eta}} f_{\bar{\eta}\eta}^* f_{\bar{\eta}\eta'} ,$$

(page 97, first unnumbered equation) Insert the factor “ $16\pi^2$ ” after the equal sign and change “ $i^{p'-p}$ ” into “ $i^{l-l'}$ ”, so that the equation reads

$$K_{\mu; lml' m'}^{(pp')} = 16\pi^2 \sqrt{\frac{3}{4\pi}} C(1, l', l; \mu, m', m) i^{l-l'} O_{ll'}^{(pp')} ,$$

(page 105, third unnumbered equation from bottom) Change " $\delta\gamma$ " into " $\delta(\gamma)$ "
(page 112, line 8 from bottom) Change "Ferrel" into "Ferrell"
(page 129, line 14 from top) Change "two-step" into "one-step"
(page 327, line 5 from top) Change "eighth" into "8"

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