Classical Electrodynamics, 3rd edition, Errata for 8th printing

[Errors not corrected in the 7th printing of September 2001. Sent to Wiley Jan 7, Jan 23, and Feb 12, 2002. Verified as included correctly in the 8th printing, 12.02.02]

p. 48 - two lines above (1.79) - At beginning of line replace 1.21 with 1.22.

p. 54 - Problem 1.19 - last line, Change page numbers from 151-152 to 275-277.

p. 52 - Problem 1.14, end of 5th line up and beginning of 4th line up - Replace $G(x,y) - G(x',y)$ with $G(x,x') - G(x',x)$

p. 55 - Problem 1.22 (b) - In last two equations, replace “S tilde” on LHS with $F(0,0)$

p. 56 - Problem 1.24 (a) - Replace $\Phi$ in second line with $4\pi \varepsilon_0 \Phi$.

p. 98 - last line - parenthesis missing on the left. Replace $d/(1-x^2)^\ell$ with $d/(1-x^2)^\ell$

p. 100 - second equation from the bottom of the page - left hand parenthesis missing in the square bracket of the integrand. replace $[\ell + 1]P_{\ell+1} + ...$ with $[(\ell + 1)P_{\ell+1} + ...$

p. 141 - Problem 3.19 (c) - Summation index should be $n$, not $m$

p. 162, footnote - Replace Lorentz-Lorenz equation (1880) with Lorentz-Lorentz equation (1869, 1880)

p. 231 - Answer for the interaction energy in Problem 5.25 (c) should read

$$W_{12} = \mu_0 I_1 I_2 d \cdot \text{Re} \left\{ e^{i\alpha} - \sqrt{e^{2i\alpha} - a^2/d^2} \right\}$$

[This corrected answer appears in the fifth and sixth printings, but has been replaced in the seventh printing by the original incorrect answer.]

p. 293 - Problem 6.24 (b) - The first equation should read $B = 0 + O(\partial^2 I/\partial t^2)$

p. 296 - line below (7.6) - Replace “Using $k = \omega v \ldots$“ by “Using $\omega = k v \ldots$“


p. 380 - first line of Eq.(8.108) - Change sign to $+ \sqrt{\frac{1}{\varepsilon} \mathbf{E} \cdot \nabla \varepsilon}$

p. 388 - line below Eq.(8.125) - Replace $\varepsilon = \eta^2$ with $\varepsilon = \eta^2 \varepsilon_0$
p. 388 - second line in Eq.(8.127) - Replace the term $\gamma^2 H_z$ on LHS with $\gamma^2 E_z$.

(End of list)