Final Corrections to the Instructor’s Solution Manual

Does not include September 1, 2004 or September 15, 2009 installments.

(January 16, 2013)

Introduction to Electrodynamics, 3rd ed.
by David Griffiths

• Page 41, Problem 2.52(b): $Q/b$ should read $Q/2b$.

• Page 56, Problem 3.24: in the boxed answer, remove the overall minus sign.

• Page 57, Problem 3.26, last line: remove second integral sign on right hand side, and insert $d\phi$ at the end.

• Page 132, Problem 1.27(c): final expression is missing a factor of $L$.

• Page 163, Problem 9.16, line 6: in the expression for $\tilde{B}_T$, $\sin\theta_1$ should read $\sin\theta_2$. Also, under “Boundary condition (ii)” the second line should end with “the same as (iii)”, not “the same as (ii)”.

• Page 176, Problem 9.37(d), line beginning “Using the results . . .”: remove “$-\omega t$” in the second expression.

• Page 179, Problem 10.2: change $\alpha$ to $k$ throughout. In part (b), first line, $(\mathbf{B} \times \mathbf{E})$ should read $(\mathbf{E} \times \mathbf{B})$.

• Page 180, Problem 10.2(c), lower limit of second integral should be $d/c$, not $d/x$.

• Page 187, Problem 10.19(a), last line: in the denominator, $(1-c^2/v^2)$ should read $(1-v^2/c^2)$.

• Page 219, Problem 12.1(a): remove overbar on second $\bar{u}$, and insert overbar on (the unbarred) $S$.

• Page 219, Problem 12.2(b), third and fourth lines: remove the “2” in front of $v$.

• Page 226, Problem 12.28(a): in the final displayed equation (three times) and also two lines above that (again three times) $u$ should be $v$.

• Page 230, Problem 112.43(a), last expression should be $\frac{q}{e_0}$, not $q$.

• Page 233, Problem 12.47(c), line 2: $\frac{\phi}{\lambda}$ should read $\frac{\phi}{2\pi}\lambda$. 