

Introduction to Electrodynamics, 4th ed.

by David Griffiths

Corrections to the 1st Printing

(August 1, 2014)

- Page 99, footnote 10: “Problem 2.56 ... and 2.53g” → “Problem 2.57 ... and 2.54g”.
- Page 112, Problem 2.60: *Answer* should read $(q^2/8\pi\epsilon_0)(1/a - 1/b)$.
- Page 191, Figure 4.24: lower “Slab 1” → “Slab 2”.
- Page 238, unnumbered middle equation: in the numerator, $\hat{\mathbf{z}}$ → \mathbf{z} .
- Page 338, Problem 7.37: $\theta(r - vt) \rightarrow \theta(vt - r)$.
- Page 348, Problem 7.51: $\cos \rightarrow \sin$.
- Page 369, Problem 8.5(b), line 2: “(magnetic)” → “total” (change word and remove parentheses). Add at end: “[*Hint*: As the upper plate passes by, the magnetic field drops to zero, inducing an electric field that delivers an impulse to the lower plate.]”
- Page 527: remove the second equation number (12.31).
- Page 531, four lines from bottom: “provided the two events are timelike-separated. And causally related events *are* timelike-separated—otherwise ...” → “provided the two events are timelike or lightlike separated. And causally related events *are*—otherwise ...”.
- Page 535, Problem 12.28(c): $t \rightarrow \tau$.
- Page 546, line 5: remove indentation before “(Classically, ...”.
- Page 592, under “Energy density/in linear media”: 359 → 198.
- Page 594, “Lorentz gauge”: cite 441 (only). Then (after “Lorentz transformation”) insert new entry: “Lorenz gauge” citing the pages now listed under “Lorentz gauge”.
- Page 599, under “Work, relativistic”: 542 → 543.