

## Introduction to Electrodynamics, 4th ed.

by David Griffiths

### Corrections to the CUP Printing

(August 20, 2018)

- Page 45, 3 lines after (1.84): 1.38b  $\rightarrow$  1.39b.
- Page 69, Fig. 2.16(a): “ $q$ ”  $\rightarrow$  “ $-q$ ” (but no change to “ $2q$ ”).
- Page 111, footnote 16: 165  $\rightarrow$  265.
- Page 112, footnote 17: “*Am. H. Phys.*”  $\rightarrow$  “*Am. J. Phys.*”
- Page 172, Problem 4.8: “two dipoles”  $\rightarrow$  “two ideal dipoles”.
- Page 197, two lines after the second displayed equation: “capacitor is”  $\rightarrow$  “capacitor (to a given voltage) is”.
- Page 205, Fig. 4.33: remove arrowhead on the upper line.
- Page 258, Problem 5.45(c): add at the end (after the hint): “For the physical interpretation of  $\mathbf{Q}$ , see Problem 8.19.”
- Page 326, Fig. 7.35: “ $\epsilon_0$ ”  $\rightarrow$  “ $\mathcal{E}_0$ ”.
- Page 335, Example 7.14, line 3: Ohmic  $\rightarrow$  ohmic.
- Page 347, Problem 7.48: “How long does is take...”  $\rightarrow$  “How long does it take...”
- Page 349, footnote 32, line 2: B. M.  $\rightarrow$  B. H.
- Page 377, last paragraph, end of line 7: “give”  $\rightarrow$  “given”.
- Page 380, Problem 8.19: add at the end (after the answer): “What does the conserved quantity  $\mathbf{Q}$  in Problem 5.45 represent, physically?”
- Page 381, Problem 8.22: add at the end (after the answer): “What if  $a < R$ ?”
- Page 381, Problem 8.23b, first line: “starting with Eq. 8.15”  $\rightarrow$  “starting with Eq. 8.14”.
- Page 391, Problem 9.7(b):  $e^{i\omega t} \rightarrow e^{-i\omega t}$ .
- Page 460, Eq. 10.74, second line: first “ $\mathbf{z}$ ”  $\rightarrow$  “ $\hat{\mathbf{z}}$ ”.
- Page 464, Problem 10.29, line 2:  $x_1 \rightarrow x$ .
- Page 562, §12.3.3, line 2: of the two  $\rightarrow$  of two.
- Page 572, Problem 12.64a: a left parenthesis is missing before the number 1 in the denominator of the equation.

- Page 590, under “Circular polarization”: “392” → “393”.
- Page 593, new entry: “Hidden momentum, 547-549”.
- Page 593, under “Magnetic monopole”: add “258”.
- Page 594, under “Magnetic field, of earth”: add 498.
- Page 594, new entry under “Momentum”: “hidden, 547-549”.
- Page 595, under “Monopole/magnetic”: add “258”.