

ERRATA
Introduction to Electrodynamics, 5th ed.
David Griffiths
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1. Page 100, Figure 2.48: insert three circular lines (as in Figure 2.49): at radius R , at radius a , and at radius b .
2. Page 136, Figure 3.21: “ x/a ” \rightarrow “ x/b ”.
3. Page 223, footnote 11, rewrite as follows:

Prior to 2019, μ_0 was taken to be an exact number, not an empirical constant; Eq. 5.40 then served to define the ampère, and the ampère defined the coulomb. In 2019 the SI police redefined the coulomb in terms of the charge of the electron: $e = -1.602176634 \times 10^{-19}$ C (exactly); μ_0 is now determined by experiment, and Eq. 5.35 is only *approximately* correct.
4. Page 237, Figure 5.40: put a line around the perimeter of the top surface (the one at $z = +a$)—like the one in Figure 5.42.
5. Page 247, Example 5.12: in the last line, erase “Does $\nabla \cdot \mathbf{A} = 0$?” and (after “If so, we’re done.²⁵”) add “(Incidentally, is this \mathbf{A} divergenceless?)”
6. Page 266, Problem 5.67(b): at end, insert “[Set $a = 1$, $\mu_0 I / 2\pi = 1$, $\mathbf{B}_0 = -(0.1, 0.1, 0.1)$.]”
7. Page 267, footnote 42: “footnote” \rightarrow “footnote 38”.
8. Page 267, footnote 43: “footnote” \rightarrow “footnote 32”.
9. Page 283, 3 lines from bottom of page: “you will never hear anyone speak of \mathbf{D} (only \mathbf{E})” \rightarrow “you will seldom hear anyone speak of \mathbf{D} (with the recent exception of those working on 2D materials, such as graphene)”.
10. Page 319, “footnote 10” \rightarrow “footnote 15”.
11. Page 323, footnote 19, line 2: “footnote” \rightarrow “footnote 18”.
12. Page 488, Figure 11.10: “ t_r ” \rightarrow “ t ” and “ t ” \rightarrow “ t_s ”.
13. Page 594: “Electrons” \rightarrow “Electron”.
14. Back cover: “(charge of the electron)” \rightarrow “(|charge of the electron|)”.