

Corrections to the Tenth Printing
(September 2, 2004)
Introduction to Electrodynamics, 3rd ed.
by David Griffiths

- Page xiv, 2 lines up from the bottom: Remove second “large”.
- Page 39, footnote 4: Change “the very first page” to “page 2”.
- Page 47, Fig. 1.46(b): Subscript on the lower “ T ” should be “1”, not “2”.
- Page 57, Problem 1.62(a): Add to *Answer* “; for $n < -2$ the divergence is ill-defined at the origin.”
- Page 75, Problem 2.15, at the end, add: “, for the case $b = 2a$.”
- Page 95, Problem 2.32(c): Change “Notice what” to “What”, and change the period at the end to a question mark.
- Page 102, Fig. 2.50: The two epsilons should be “ ϵ ”, not “ ε ”.
- Page 109, Problem 2.51: After “relevant numbers).” insert the following: “Note that this energy is *negative*—masses *attract*, whereas (like) electric charges *repel*. As the matter “falls in”, to create the sun, the potential energy is converted into other forms (typically thermal), and is subsequently released in the form of radiation.” And remove the word “stored” in the following sentence.
- Page 126, Problem 3.9: Put an exclamation mark in the left margin; at the end of part (a) add “[*Hint*: Refer to Problem 2.47.]”
- Page 149, line above Eq. 3.98: Insert “the” after “called”.
- Page 154, Fig. 3.37: The right figure should be “(b)”, not “(a)”.
- Page 157, top equation: Remove comma *before* (but not after) “ $d\tau$ ”.
- Page 157, Problem 3.42, second line: Change “intervals” to “integrals”.
- Page 159, Problem 3.47: Insert space before the first word (“For”). Add to *Answer* the following: “. Alternatively, using sinusoidal functions of x and hyperbolics in y , $-\frac{2V_0}{b} \sum_{n=1}^{\infty} \frac{(-1)^n \sinh(\alpha_n y)}{\alpha_n \sinh(\alpha_n a)} \cos(\alpha_n x)$, where $\alpha_n \equiv (2n - 1)\pi/2b$.”
- Page 167, top line: The script-r should be bold face.
- Page 204, 2 lines above Eq. 5.1: Change “force in” to “force on”.
- Page 238, 8 lines after Eq. 5.69: Change “of the wire” to “in the analog”.

- Page 246, Fig. 5.55: The right figure should be “(b)”, not “(a)”.
- Page 251, Problem 5.51(d): Insert “)” before the final “]”.
- Page 273, 7 lines after Eq. 6.23: “ $\nabla \cdot \mathbf{M} = 0$ ” should read “ $\nabla \cdot \mathbf{M} \neq 0$ ”.
- Page 295, Fig. 7.11: Rotate the vector \mathbf{w} about 10° counterclockwise (and shorten \mathbf{v} accordingly), so as to make \mathbf{w} perpendicular to \mathbf{f}_{mag} .
- Page 302, line 6: Change “is” to “it”.
- Page 303, 5 lines up from the bottom (not counting the footnote): “Fig.7.22a” should read “Fig. 7.21”.
- Page 340, footnote 22, second line: Change “104” to “178”.
- Page 346, 2 lines above Eq. 8.6: Remove comma after “Here”.
- Page 372, Fig. 9.6: The right figure should be “(b)”, not “(a)”.
- Page 385, line after Eq. 9.77: Change “on the the” to “on to the”.
- Page 433, third equation up from the bottom (next line after “so”): The last sign should be “+”, not “-”.
- Page 471, last line: Change “ $(t - t_r)$ ” to “ $(t_r - t)$ ”.
- Page 482, line after Eq. 12.1: Change second “is” to “it”.
- Page 521, Problem 12.38(d): “Eq. 12.70” should read “Eq. 12.69”.
- Page 524, 2 lines above Eq. 12.84: Insert “in” after “at rest”.
- Page 532, last equation: There should be a “hat” on the \mathbf{R} in the numerator.
- Page 533, Fig. 12.41: Put a minus sign on the left plate, and a plus sign on the right plate.
- Page 539, line after Eq. 12.124: After “left side” insert “(in the continuity equation)”.
- Page 544, Fig. 12.44: The arrow on the front should point to the right, not to the left.