Final Corrections
(January 16, 2013)

Introduction to Electrodynamics, 3rd ed.
by David Griffiths

Note: this list should be added to the “Corrections to the 18th Printing.”

• Page 44, Figure 1.42: draw in a dashed line from the $z$ axis to the point $P$, parallel to the one beneath it in the $xy$ plane.

• Page 106, Problem 2.42: change the equation to read

$$E(r) = \frac{k}{r} \left[ 3 \hat{r} + 2 \sin \theta \cos \phi \hat{\theta} - \sin \theta \cos \phi \hat{\phi} \right],$$

In the next line, change “where $A$ and $B$ are constants” to “for some constant $k$”, and change the answer to

$$3k\epsilon_0(1 + \cos 2\theta \sin \phi)/r^2$$

• Page 150, 3 lines after Eq. 3.101: change “3.100” to “3.101”.

• Page 157, Problem 3.42: insert “(a)” before the first word, and put this on a new line.

• Page 159, Problem 3.47, end of the first line of the answer: change the last letter from “l” to “i”.

• Page 167, 3rd line of text from the bottom: insert “(in the front cover)” after “5”.

• Page 177, Problem 4.16(a): at the end, insert “Assume the polarization is “frozen in,” so it doesn’t change when the cavity is excavated.”

• Page 225, line before Eq. 5.55: capitalize Amperian.

• Page 247, footnote 17, after “Elliot,” add “and M. Jackson”.

• Page 272, second line of Problem 6.13, add this: “, where $M$ is a “frozen-in” magnetization”.

• Page 294, Figure 7.9: move two arrows so as to indicate the distance between the wires.

• Page 428, footnote 5, first line: change “1996” to “1966”.

• Page 444, last line: remove the first “the.”

• Page 517, first line of the last paragraph: remove the first “to.”