

Corrections to the Fifth Printing
(June 26, 2001)
Introduction to Electrodynamics, 3rd ed.
by David Griffiths

- Page xiii, last sentence of 2nd paragraph: change “though” to “through”.
- Page 25, 7th line from bottom: change “ $d\mathbf{l} = dx \hat{\mathbf{x}} + dx \hat{\mathbf{y}}$ ” to “ $d\mathbf{l} = dx \hat{\mathbf{x}} + dy \hat{\mathbf{y}}$ ”.
- Page 52, Problem 1.46: (a) change “the electric charge” to “the volume charge”; (b) change “the charge” to “the volume charge”; (c) change “the charge” to “the volume charge”.
- Page 67, Figure 2.16(a): change “ q ” to “ $-q$ ”, on the right (don’t change “ $2q$ ” on the left).
- Page 115, 6th line of Problem 3.2: change “of charges particles” to “of charged particles”.
- Page 130, line after equation 3.30: change “the first three” to “three of the”; next line: change “the last boundary condition?” to “the final boundary condition (iii)?”
- Page 140, 2nd line after equation 3.69: change “In can be” to “It can be”.
- Page 140, equation 3.72, and 141, top equation: change summation index from “ i ” to “ l ”.
- Page 155, Problem 3.35, line 4: change “surface is” to “surface charge is”.
- Page 157, Problem 3.41(a): in the displayed equation, \mathcal{I} (in the denominator) should *not* be bold face; change $\hat{\eta}$ to \mathcal{I} .
- Page 172, Figure 4.15: remove five minus signs (symmetrically) from the “southern” crescent, so there will be 12 plus signs above and 12 minus signs below.
- Page 172, Example 4.3, end of line following the first equation: insert the word “to” after “center”.
- Page 192, 9th line in bottom paragraph: change “the Eq. 4.55” to “then Eq. 4.55”.
- Page 201, Problem 4.40(b): line 4, change “20° C” to “20°C”; last line, change “100°” to “100°C”.
- Page 249, Problem 5.43(d)(ii): change “ $Q = -\frac{\mu_0 q_e q_m}{4\pi \cos \theta}$ ” to “ $Q = \frac{\mu_0}{4\pi} \left| \frac{q_e q_m}{\cos \theta} \right|$ ”.

- Page 258, Figure 6.5: change last “(a)” to “(c)”.
- Page 309, 7.17(b): change “loop and reinserted in the opposite direction,” to “loop, turned around, and reinserted,”.
- Page 319, line 4: change “that is takes” to “that it takes”.
- Page 325, Problem 7.32(c): change “which extends” to “which is open at the right end and extends”.
- Page 341, line 2: change “permeablility” to “permeability”.
- Page 345, equation 8.2 and two lines above: change $\int_S \mathbf{J} \cdot d\mathbf{a}$ to $\oint_S \mathbf{J} \cdot d\mathbf{a}$.
- Page 346, 2nd line above equation 8.6: change “Now,” to “Here”.
- Page 348, last equation: remove minus sign in second term.
- Page 359, displayed equation: insert space after $\hat{\mathbf{s}}$.
- Page 360, top equation: insert space after $\hat{\mathbf{z}}$.
- Page 378, 2nd line of Example 9.2: the letter “ $\tilde{\mathbf{E}}_0$ ” should not be bold face (twice).
- Page 382, line 8: change “ $(q\bar{\mathbf{v}}\mathbf{x}\bar{\mathbf{B}})$ ” to “ $(q\mathbf{v} \times \mathbf{B})$ ”.
- Page 385, 2nd line after equation 9.82: change “permittivities” to “permeabilities”.
- Page 387, bottom line: add the words “(when $z = 0$)” after “equal”.
- Page 403, Fig. 9.22: change χ to γ (twice).
- Page 462, equation 11.71: change “ $\frac{dW/dt}{\partial t_r \partial t}$ ” to “ $\frac{dW/dt}{\partial t_r / \partial t}$ ”.
- Page 470, Figure 11.18: change “Present position $x(t_r)$ ” to “Present position $x(t)$ ”.
- Page 474, 3rd line of Problem 11.22(a): change “ a ” to “ b ”.
- Page 493, 3rd line up from bottom: change “ (x, y, z) ” to “ (x, y, z, t) ”.
- Page 494, Figure 12.16: draw in two z axes, from origins to arrowheads.
- Page 495, Figure 12.17: draw in two z axes, from origins to arrowheads.
- Page 504, last sentence of 1st paragraph: change “can can” to “you can”.
- Page 533, Problem 12.43(a): change “ $\int \mathbf{E} \cdot d\mathbf{a}$ ” to “ $\oint \mathbf{E} \cdot d\mathbf{a}$ ”.
- Page 538, equation 12.123: change “ $J_z,$ ” to “ J_z ”.
- Page 542, equation 12.135: change “ ν ” to “ μ ”.