

Errata to be corrected in second printing  
Nilsson/Riedel *Electric Circuits*, 10/e  
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- p. 15 In the definition of quantities for Eq. 1.3, change “ $i$ ” to “ $t$ ” in the third line.
- p. 16 Eliminate superscript “ $t$ ” in the equation on the next-to-last line of the left column. Also, in the last line, change 0.908 to 9.08.
- p. 20 In Problem 1.22, in the first equation change 4 to 3.2 and in the second equation change  $128t$  to  $160t$ .
- p. 41 In part (a) of the solution to Example 2.9, change the phrase in the ninth line from “two components in series” to “two components in series add”.
- p. 47 In the equation to the left of Fig. 2.28, change the first “=” to “+”.
- p. 75 In the last equation on the page, change “ $I_j$ ” to “ $i_j$ ”.
- p. 79 In Problem 3.20, part (c), change “380” in the last line to “180”.
- p. 81 In Fig. P3.32, replace the voltage source on the circuit’s left with a current source, arrow pointing up.
- p. 132 In Fig. P4.20, delete the dark filled circles at the top and bottom on the right side of the figure.
- pp. 133 – 134 Move the heading “Section 4.5” ahead of Problem 4.32 (delete this heading on p. 134 and add it to page 133).
- p. 139 In Fig. P4.79, reverse the second-color arrow at the top of the figure so it points to the left.
- p. 142 In Fig. P4.99, change the label “ $2 \Omega$ ” to “ $250 \Omega$ ”.
- p. 146 Modify Fig. 5.1 so that all pins bend in the opposite direction. See two pages attached.
- p. 169 In the first line of Problem 5.31, change “ $R_a$ ” to “ $R_b$ ”.
- p. 191 Change the a) through f) list to numbers 1) through 6) to match the notation in Fig. 6.23.
- p. 207 The first line of Problem 6.20 should reference Fig. P6.20.

- p. 207 Delete the vertical line at the very bottom of Fig. P6.22(a).
- p. 208 In Fig. P6.27(b), change the label “25  $\mu\text{H}$ ” to “25  $\mu\text{F}$ ” and change the label “36  $\mu\text{V}$ ” to “36  $\mu\text{F}$ ”.
- p. 259 In Fig. P7.86, change the label “40 V” to “30 V”.
- p. 271 Delete the sentence fragment in the second line of the second paragraph that reads “First we note from Eq. 8.18 that  $A_1$  and  $A_2$ .”
- p. 294 In the text below the first equation, change “integral both sides” to “differentiate both sides”.
- p. 296 In the problem statement for Problem 8.8, change last line to read “adjusted for critical damping,  $V_0 = 40 \text{ V}$ , and  $I_0 = 120 \text{ mA}$ ”.
- p. 319 In Eq. 9.38, insert “= 0” on the right hand side.
- p. 346 In Problem 9.11(b), change “200t” to “50t”.
- p. 354 In Fig. P9.69, remove the small vertical line connecting the + and – to the left of the triangle symbol.
- p. 368 Eq. 10.26 should be  $|S| = \sqrt{P^2 + Q^2}$ .
- p. 385 In Problem 10.1(b), change the first line to read  $v = 18\cos(\omega t + 30^\circ) \text{ V}$ .
- p. 388 In the last line of Problem 10.26, change V to V(rms).
- p. 391 In the last line of Problem 10.43(c), change 50 to 500.
- p. 392 In the last line of Problem 10.51(c), change 9 to 160.
- p. 393 In Fig. P10.53, change 40 V to 30 V.
- p. 395 In the last line of Problem 10.70, change “ $R_s$ ” to “ $R_1$ ”.
- p. 410 In the third line from the bottom, change the parenthetical reference from Problem 11.26 to Problem 11.31.
- p. 417 In the third bullet item from the bottom of the right hand column, change the phrase “and equals 1.5 times the average power per phase” to “and equals  $1.5V_m I_m \text{ pf}$ ”.
- p. 453 Minor rewording of the sentences following Eq. 12.94.

- p. 457 Two changes to the second equation on the page: change  $\cos(-59.82^\circ)$  to  $\cos(-59.99^\circ)$  and change 42.6 mA to 42.4 mA.
- p. 512 In Fig. P13.52(c), change label from “250 k $\Omega$ ” to “250  $\Omega$ ”.
- p. 538 Eq. 14.33, second line, the numerator should be enclosed in a square root sign, so that the numerator is  $\sqrt{1/LC}$ .
- p. 724 Delete right parenthesis at the end of the second line of Eq. B.5.
- p. 767 Insert a minus sign (-) in front of the answer to Problem 9.64.