Electric Circuits Fundamentals

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FIRST-PRINTING ERRATA (Updated July 2, 2002)

Page 34, 5th line from bottom: rewrite as: By KCL, $i_{X_2} = i_{X_1} + i_{X_3} = 1 + 3...$

Page 94, end of Problem 2.38: change $0.5R$ **to** $0.1R$

Page 192, 2d line from bottom: change i_q **to** i_Q

Page 243, Figure P5.47: change label from $v_o/(5\ \text{k}\Omega)$ **to** $v_o/(5\ \text{k})$

Page 275, 3rd line of Exercise 6.21: change 200.000 **to** 200,000

Page 282, Problem 6.31, 2nd line: change R_3 **to** R_2

Page 285, Problem 6.48, 1st line: change 6.24(*a*) **to** 6.23

Page 373, Figure P8.24: change label from $k_g i_X$ **to** $k_g v_X$

Page 381, 4th line of Solution: change $i(t)$ **to** $i(0^+)$

Page 392, right-hand of Equation (9.32): change $\omega_0 y(\infty)$ **to** $\omega_0^2 y(\infty)$

Page 411, Figure 9.19(b): change the horizontal axis label from $\omega_0\sqrt{1-\zeta^2}t$ **to** $\omega_0\sqrt{1-\zeta^2}\,t$

Page 418, Problem 9.38, 1st line: change $v_O(t \geq 0^+)$ **to** $v(t \geq 0^+)$

Problem 9.39, 1st line: change $v(t \geq 0^+)$ **to** $v_O(t \geq 0^+)$

Page 512, Problem 11.25, 2nd line: change C **to** A

Page 513, end of Problem 11.29: append: and such that $|V| / |I| / 10\ \Omega$

Page 575, Problem 12.76, 4th line: change V **to** Ω

Page 603, and of Problem 13.15: change θ_i **to** θ_v

Page 603, Problem 13.23: in the 1st line, change 500-mH **to** 500-μH

   in the 3rd line, change 16 Mrad/s **to** 1 Mrad/**s**

Page 618, Fig. 14.4: the abscissa of the conjugate zero pair should be -2 **instead of** -3

Page 654, Equation (14.99a): change $\sqrt{1-\zeta^2}$ **to** $\sqrt{1-2\zeta^2}$

Page 655, 8th line from bottom: change $10\sqrt{1-0.25^2} = 9.68$ **to** $10\sqrt{1-2\times0.25^2} = 9.35$

Page 676, Problem 15.56, in the denominator change $10^4 s$ **to** $10^3 s$

Page 715, Equation (15.39): change $(p\xi)$ **to** $p(\xi)$

Page 809, Problem 16.40, 1st equation term: change $dy_1^2(t)/dt^2$ **to** $d^2 y_1(t)/dt^2$

ANS-6, 2.39: Refer v_O **to the negative terminal of the source.**

ANS-14, 8.49: change $10\exp[-t/(50\ \text{μs})]$ **to** $10\{\exp[-t/(50\ \text{μs})] - 1\}$

ANS-16, 11.37: change existing line to: Both 2.5/-90° V (+ @ top)

ANS-17, 11.53, 2nd line: change 18 **to** 30 **; 11.69: change** (*a*) cos **to** (*a*) 9.995 cos

   change (*c*) 99.95 cos **to** (*c*) 99.995 cos **; 12.1: change** mW **to** W **throughout.**

ANS-18, 12.29: change existing line to 278.7 + *j*40.05 mΩ; 0.9898, lagging

   12.31: change (*a*) 0.8688 **to** (*a*) 0.8688, lagging

ANS-19, 12.69: change as: (*a*) 0.6130, leading; (*b*) 0.1833, leading

12.71: change -614.5 **to** 614.5 W **; end of 13.15: change** -24.84° **to** -25.84°

ANS-22, 14.51: in (*b*) **change** 48.99 **to** 47.96

ANS-27, 16.31, part (*c*)**: change** $u(t-1)$ **to** $u(t-\pi)$