



## Design with Operational Amplifiers and Analog Integrated Circuits – 3<sup>rd</sup> Edition

Sergio Franco - McGraw-Hill, 2002 - ISBN 0-07-232084-2

### First-Printing Errata (Updated September 5, 2009)

Page 35, Solution to Example 1.10, 2<sup>nd</sup> line: change  $R_n = (10^5 + 75)/(1 + 10^5) \cong 1 \Omega$  to  $R_n = (10^5 + 75)/(1 + 2 \times 10^5) \cong 0.5 \Omega$

Page 47, Problem 1.3, 1<sup>st</sup> line: change  $A_{oc}$  to  $A_r$

Page 104, Fig. P2.54: swap the resistance labels  $R$  and  $R(1 + \delta)$

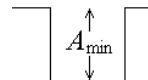
Page 113, Eq. (3.11a): change  $|H_1| - |H_2|$  to  $|H_1| / |H_2|$

Page 114, Eq. (3.13c): change  $|1/H_1|_{dB}$  to  $|1/H|_{dB}$

Page 137, Example 3.11, Solution (b): change  $136.69^\circ$  to  $-136.69^\circ$  (twice), and  $46.69^\circ$  to  $133.31^\circ$  (twice)

Page 145, denominator of the right-hand side of the equation following Eq. (3.78): replace  $+ R_4(1 +$  with  $+ R_4 R_7 C_2(1 +$

Page 162, Fig. 4.2b: change arrow as shown on the right:



Page 162, text preceding Eq. (4.2): change  $b_2$  to  $b_1$ , and replace  $b_3$  with  $b_2 = b_3$

Page 205, Problem 4.8, 2<sup>nd</sup> line from the end: change 11.080 Hz to 11.080 kHz

Page 285, Eq. (6.38), last denominator term: change  $-(f/f_i)^4$  to  $+(f/f_i)^4$

Page 295, 2<sup>nd</sup> line: change  $-10$  dec/dec to  $-1$  dec/dec

Page 351, last line: change  $(\sqrt{5} - 1)$  to  $(\sqrt{5} - 2)$

Page 352, right edge of Fig. 8.4 (b): change  $45^\circ$  to  $-45^\circ$

Page 358, Fig. 8.9: swap  $+$  and  $-$  inside the op amp

Page 362, Solution: change  $f_x = 10^7/()$  to  $f_x = 2 \times 10^7/()$

Page 363, after Eq. (8.20a): change  $1/2 \pi R_2 C_f$  to  $(1 + R_1/R_2)/2 \pi R_2 C_f$

Page 364, Solution (b): change  $1/2 \pi R_2 C_f \cong 140$  kHz to  $(1 + R_1/R_2)/2 \pi R_2 C_f \cong 210$  kHz; in the denominator of  $A(jf)$ , change 140 to 210

Page 385, line after Eq. (8.36): change Problem 8.46 to Problem 8.48; Example 8.16, second line: change 99 k to 99 k $\Omega$

Page 386, 4<sup>th</sup> line: change  $a_0 = a_{01}()$  to  $a_0 = a_{10}()$

Page 451, expression after Eq. (10.2), and in the text 5 lines below: change  $\exp[(t - t_0)]$  to  $\exp[-(t - t_0)]$

Page 488, 4<sup>th</sup> line: change  $25^\circ\text{C} = 273.2$  K we to  $25^\circ\text{C} = 273.2 + 25 = 298.2$  K we

Page 522, Solution, 3<sup>rd</sup> line: change  $V_{BE3(\text{on})}/(R_3 + R_4)$  to  $V_{BE3(\text{on})}/R_4$ ; 4<sup>th</sup> line: change 160  $\Omega$  to 210  $\Omega$ , and 540  $\Omega$  to 700  $\Omega$

Page 541, 3<sup>rd</sup> line before Eq. (11.46): replace to  $t_{\text{OFF}}/2$  with to  $t_{\text{ON}} + t_{\text{OFF}}/2$ ; Eq. (11.48): change numerator from  $I_O(1 - V_I/V_O)$  to  $I_O/(1 - V_I/V_O)$