

List of known errors and corrections for
Analysis and Design of Analog Integrated Circuits, Fifth Edition,
P. R. Gray, P. J. Hurst, S. H. Lewis, and R. G. Meyer
Wiley, New York, 2009.

- Posted on April 28, 2009

The first line after equation (6.124) on page 451 is incorrect. It should say:

Assume that Bias₁ and Bias_{CM} are adjusted so that Q₃, Q₄, Q₆, and Q₇ operate in the forward-active region.

- Posted on March 24, 2010

On page 738, 5 lines after the example. The sentence "Thus the arrow in the current source in Fig. 11.2 has no significance and is included only to identify the generator as a current source." is incorrect. It should say:

"Thus the arrow in the current source in Fig. 11.4 has no significance and is included only to identify the generator as a current source."

- Posted on August 2, 2019

On page 512, line 6 (counting each equation as a line): "gain of the circuit from (7.67)" should be "gain of the circuit from (7.47)".

- Posted on August 2, 2019

Page 747: Equation (11.16) is incorrect. There should be a g_m term in the denominator.

The correct equation is $\overline{i_g^2} = \frac{16kT\omega^2 C_{gs}^2 \Delta f}{15g_m}$

- Posted on May 20, 2021

Page 498: The last equation in the example is incorrect. R_S in the denominator is displayed as 5 k Ω but should be equal to 1 k Ω as given in the example. This equation should be

$$\left. \frac{v_o}{v_i} \right|_{\omega=0} = -g_m R_L \frac{r_\pi}{R_S + r_b + r_\pi} = -\frac{5000}{26} \frac{2.6}{1 + 0.2 + 2.6} = -132$$

The last sentence in the example should say, "The gain magnitude at low frequency is thus 42.4 dB ..."

Finally, the low-frequency gain in Fig. 7.8 should be changed to 42.4 dB.

- Posted on November 28, 2023

Page 138: The last sentence in the paragraph that starts on the previous page should point to (2.28) instead of to (2.30). It should say, "Thus the potential difference between the surface and the bulk silicon beneath the channel implant region that is required to bring this condition about is still given by (2.28), ..."

Page 140: The word "inversely" should be removed from the first sentence in the paragraph just before the example. It should say, "... the small-signal output resistance of the transistor is proportional to the effective channel length."