ERRATA

p. 9, exp. (1.14b): $(V_{gs} - V_T) \rightarrow (V_{gs} - V_T)^2$

p. 10, exp. (1.15): $(V_{gs} - V_T) \rightarrow (V_{gs} - V_T)^2$

p.17, The end of footnote 5, $4 \rightarrow L$

p. 102, 9th line from top: (3.9) → (3.9a)

p. 115, Figure 3.21(b): $C_{dg2} \rightarrow (C_{dg2} + C_{db2})$

p. 116, 18th line from top: (3.3) → (3.2)

p. 117, 2nd line from top: (3.3b) → (3.33b)

p. 121, 12th line from bottom: (3.43(b)) → (3.43)

p. 123, 3th line from top: $\overline{g}_{ds} \ll \overline{g}_m Z \rightarrow \overline{g}_{ds} \ll \overline{g}_m$

p. 166, 2nd line and line 15: $(V_{gs} - V_T) \rightarrow (V_{gs} - V_T)^2$

p. 190, 9th line from bottom: $s_1, s_1^{'} = -\dfrac{\omega_0}{2Q_1(1-k)} \mp j\dfrac{\omega_0}{2Q_1(1-k)}\sqrt{4Q_1^2(1-k)-1}$

p. 190, 8th line from bottom: $s_2, s_2^{'} = -\dfrac{\omega_0}{2Q_2(1+k)} \mp j\dfrac{\omega_0}{2Q_2(1+k)}\sqrt{4Q_2^2(1+k)-1}$

p. 190, 2nd and 1st line from bottom:

$$s_1, s_1^{'} \cong -\frac{\omega_0}{2Q_1(1-k)} \mp j\omega_0\left(1+\frac{k}{2}\right)$$

$$s_2, s_2^{'} \cong -\frac{\omega_0}{2Q_2(1+k)} \mp j\omega_0\left(1-\frac{k}{2}\right)$$

p. 217, 6th line from top: .. R_D can be considered as a part of of the effective load resistance.

p. 239, exp. (5.1) : $L' = L + \dfrac{R_L^2}{\omega_{(\mathrm{Re})}^2 L} \quad \rightarrow \quad L' = L + \dfrac{r_L^2}{\omega_{(\mathrm{Re})}^2 L}$

p. 239, exp. (5.2) : $C' = \dfrac{C}{1+\omega_{(\mathrm{Re})}^2 C^2 R_C^2} \quad \rightarrow \quad C' = \dfrac{C}{1+\omega_{(\mathrm{Re})}^2 C^2 r_C^2}$

p. 240, last line: paralel to a capacitance equal to $C_o = (C_{gs}/2) + (C_{db}/2)$.

p. 247, exp. (5.14) : $\omega_{osc} = \omega_0 \sqrt{1 + r \cdot g_{ds} \frac{C_2}{C_1 + C_2}} \quad \rightarrow \quad \omega_{osc} = \omega_0 \sqrt{1 + r \cdot g_{ds} \frac{C_1}{C_1 + C_2}}$

p. 247, exp. (5.15-a) : $g_m \cong \frac{1}{r_{eff}} \frac{C_1 + C_2}{C_2} \quad \rightarrow \quad g_m \cong \frac{1}{R_{eff}} \frac{C_1 + C_2}{C_2}$

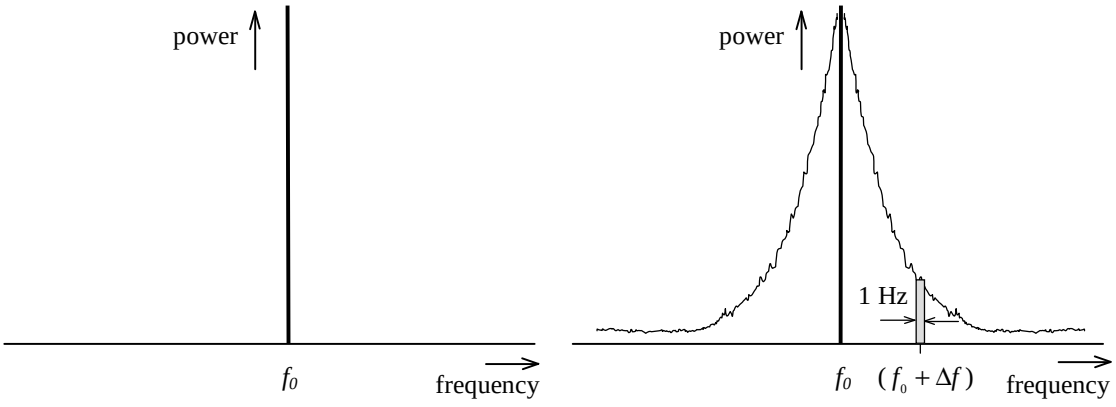
p. 247, exp. (5.15-b) $g_m \cong k_s \frac{1}{r_{eff}} \frac{C_1 + C_2}{C_2} \rightarrow g_m \cong k_s \frac{1}{R_{eff}} \frac{C_1 + C_2}{C_2}$

p. 250, par. 5, exp. (5.17) included: Will be deleted.

p. 255, exp. (5.20): $L(\Delta\omega) \rightarrow L(\Delta f)$

p. 255, 7th line from bottom: is an expected imperfection for an electronic circuit, but these harmonics ($2f_0$, $3f_0$, etc.) are far away from f_0.

p. 256, fig. (5.18)



p. 257, 4th line from bottom: From Fig. 5.20 …..

p. 258: The following paragraph is to be inserted at the end of p. 258:

As an example the phase noise simulation results for a differential negative resistance oscillator are given in Fig. 5.21. The curve (A) corresponds to $r_C = 0$. To improve the frequency stability as explained before, a resistance equal to r_L is

included in series into the capacitor branch of the resonance circuit. The simulation result given with curve (B) exhibits an unexpected improvement, despite the decrease of the quality factor of the resonance circuit.