August 12, 2006

Errata for Practical RF System Design

SOFTWARE MODIFICATION

Fig. 7.10-11.xlw and Fig. 7.12.xlw become Fig. 7.10-11mod1.xlw and Fig. 7.12mod1.xlw. [In the originals, the 0xn spurs did not scale properly when the IF was changed.]

BOOK

Spaces are not included in line counts below. Additions in green, subtractions in red. The number of the printing is given by the last number in "10 9 8 7 ..." on bottom of copyright page.

CORRECTIONS FOR PRINTINGS 1 THROUGH 3

p. xxi, third symbol
 $\sim$ is proportional to, (superscript) indicates rms

p. 159, Fig. 6.8, R_F becomes R_{FB}.

p. 160, Fig. 6.11, symbol τ replaces symbol T two places.

p. 314, Fig. G.3, delete the minus sign from $-X_L$.

CORRECTIONS FOR PRINTING 1 (and possibly 2)

p. 67, Fig. 3.10, x-axis: subscript 1 (one) becomes capital I (eye).

p. 67, 2 places in last line, and p. 68, Eq. (3.43): $\Delta \Rightarrow \delta$.

p. 77, first line below the figure, delete the exponent 2 within the "magnitude" brackets:

$$\left| e^2_{\text{noise out, } k} \right|^2 \Rightarrow \left| e_{\text{noise out, } k} \right|^2$$

p. 96, Eq. (4.15), in the subscript: OPI2 becomes OIP2.

p. 106, Eq. (4.45): the denominator on the right should be the same as in Eq. (4.32):

$$p^2_{\text{OIP3, 1}} \Rightarrow p^2_{\text{OIP3, IM, 1}}$$

p. 107, Eq. (4.55):

$$g_{k,q} \triangleq \prod_{j=k}^{q} g_j \Rightarrow g_{1,0} \triangleq 1 \text{ and } g_{q+1,q} \triangleq 1, \text{ otherwise } g_{k,q} \triangleq \prod_{j=k}^{q} g_j$$

p. 127, Eqs. (5.5) and (5.6): insert 2 on the left end of each:

$$\frac{S_2'(f)}{2} = 2\frac{S_0(f)}{2} \bigstar \frac{S_0(f)}{2} \Rightarrow 2\left(\frac{S_2'(f)}{2}\right) \triangleq 2\left(\frac{S_0(f)}{2} \bigstar \frac{S_0(f)}{2}\right) \text{ and}$$

$$\frac{S_2'(0)}{2} = 4B\left(\frac{S_0}{2}\right)^2 \Rightarrow 2\frac{S_2'(0)}{2} = 4B\left(\frac{S_0}{2}\right)^2$$

p. 128, Eq. (5.7): insert 2 in the middle before the S' fraction:

$$a_2^2 R \frac{S_2'(0)}{2} \Rightarrow a_2^2 R 2 \frac{S_2'(0)}{2}$$

p. 132, Fig. 5.7, and p. 135, Fig. 5.9, in the equations on the right: at (b), delete "R",

$$a_1^2 R\left(\frac{S_0}{2}\right) \Rightarrow a_1^2\left(\frac{S_0}{2}\right);$$

at (d), square "R", $a_3^2 \dfrac{27}{2} RB^2\left(\dfrac{S_0}{2}\right)^3 \Rightarrow a_3^2 \dfrac{27}{2} R^2 B^2\left(\dfrac{S_0}{2}\right)^3$ and,

in the latter figure, on the lower right, change $S0$ to S_0.

p. 134, 5 lines from the bottom: 666 becomes 660.

p. 135, Fig. 5.9(a) and (c): 385.25 becomes 382.25; 718.25 becomes 712.25 2 places; 770.5 becomes 764.5 two places.

p. 158, line 15: "Fig. 5.7" becomes "Fig. 6.7".

p. 385 (index), right column, 10 lines from bottom: "184" becomes "186".