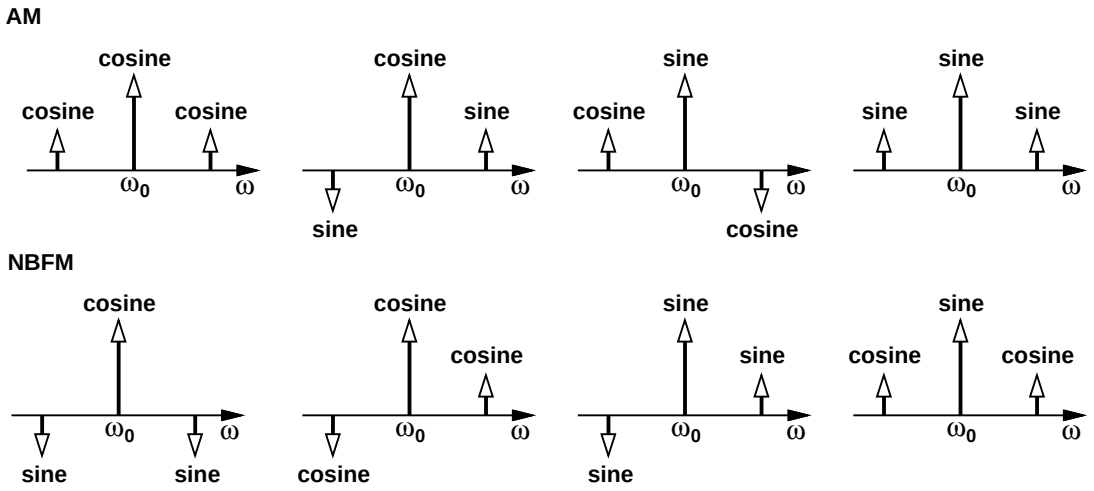
RF Microelectronics, Second Edition

Errata

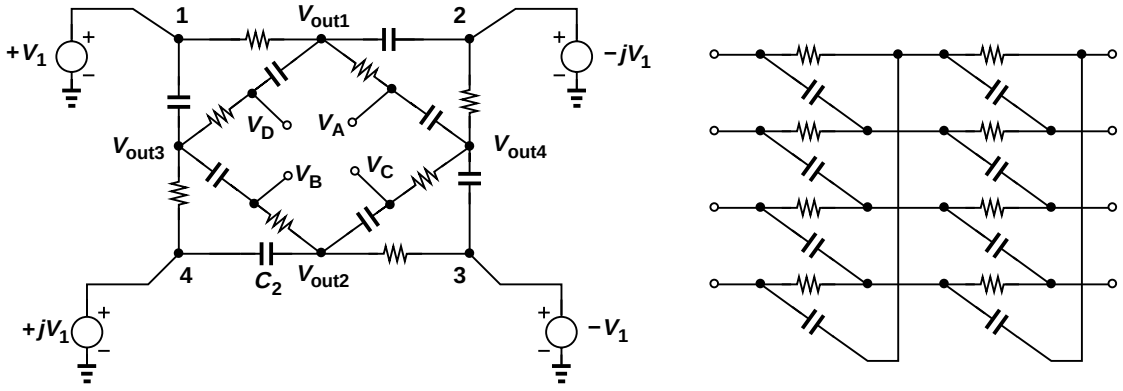
Behzad Razavi

- Prob. 2.3, second line should read: consider the cascade of identical ...

- Fig. 3.9 should be changed as shown below:



- Fig. 4.81(a) should be changed as shown below:



(a) (b)

- Example 4.36, the first sentence in solution should read: We have $V_{out1} = (1/2)(1-j)V_1$ and ...

- Example 5.5, third line in solution: Since it is desired that $R_{in} = R_S$,

- Example 6.21, last three lines of solution: Note that $V_{n2}(f)$ is typically very large because M_2 and M_3 are relatively small.

- Example 7.6, Eq. (7.33) should read:

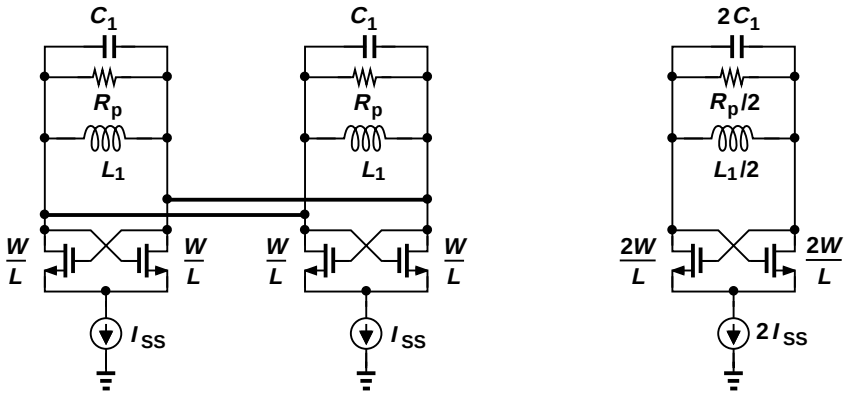
$$C_{eq} = \frac{C_1 + \cdots + C_{4(N-1)}}{[4(N-1)]^2} \tag{1}$$

  Eq. (7.125) in Problem 7.3 must also be corrected as above.

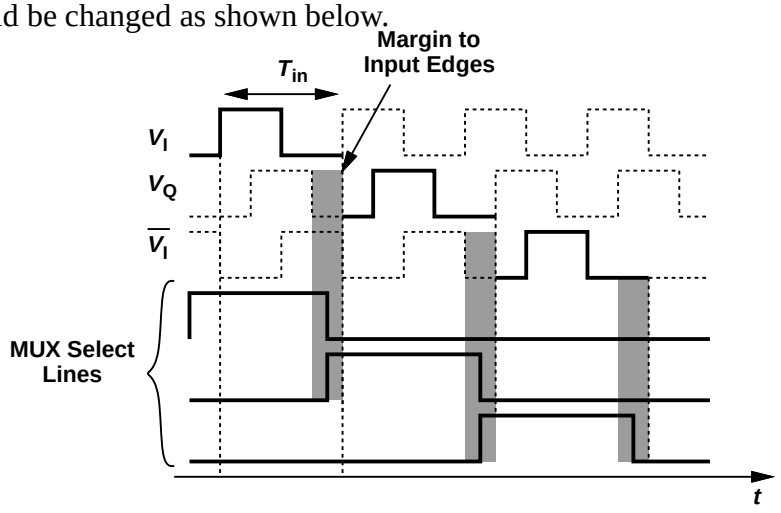
- p. 488, the sentence below Eq. (7.114) should read $Z_1 d = R_{tot}/2$ and $Y_1 d = C_{tot} s/2$.

- Prob. 7.10, Assume the inductance is about 9 times that of one spiral.

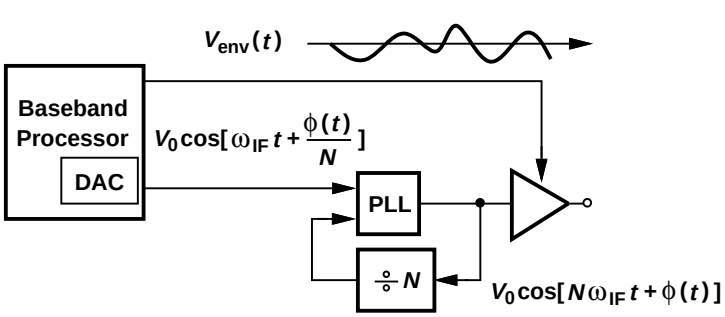
- Fig. 8.84 (b) should be changed as follows:



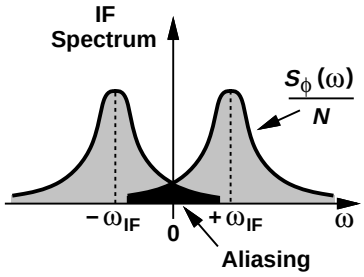
- Fig. 11.45 should be changed as shown below.



- Fig. 12.53(b) should be changed as shown below.


$V_{env}(t)$
Baseband Processor
DAC
$V_0 \cos[\omega_{IF} t + \frac{\phi(t)}{N}]$
PLL
$\div N$
$V_0 \cos[N\omega_{IF} t + \phi(t)]$

(a)


IF Spectrum
$S_\phi(\omega)$
N
$-\omega_{IF}$
0
$+\omega_{IF}$
ω
Aliasing

(b)