--------> CORRECTIONS AS OF 04/05/2011 <--------

CORRECTIONS TO

***Digital and Analog Communication Systems***, L. W. Couch, II, 7th Edition
International Edition, Pearson/Prentice Hall, 2007, and
Indian Edition, Pearson/Prentice Hall, 2009

These are the corrections for the International 7th Edition. Look at the book cover to determine which edition you have.

If you find additional corrections that need to be made or if you have suggestions for improvements or changes, please send an email to him or mail to him at:


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Thank you for your help. Warm regards, *Leon Couch*

| PAGE NO. | LINE NO. | Table, Eq., or Fig. NO. | CORRECTION |
|---|---|---|---|
| 57 | 28 | SA1-1 | ...**of Line of Sight(LOS)** |
| 71 | 11 | | Second cosine should be ...+jcos2$\pi(f_0+f)t$ |
| 73 | 10 | Ex2-2 | Insert a - sign after the second = sign |
| 79 | 15 | Ex2-4 | Exponent of right integral should be $-j2\pi(f+f_0)t$ |
| 92 | | Fig2-9 | x axis should be labeled f -> (not t) |
| 154 | | Fig3-3b | In the equation for the envelope of the spectrum, in two places change the n to a $\tau$ |
| 158 | | Fig3-6b | In the equation for the envelope of the spectrum, in two places change the r to a $\tau$ |
| 161 | | Fig3-7 | Top right of the figure, change output label of the Encoder to **PCM signal** (not PAM signal) |
| 161 | | Fig3-7 | (Typo in) figure caption ... transmission ... |

| PAGE NO. | LINE NO. | Table, Eq., or Fig. NO. | CORRECTION |
|---|---|---|---|
| 183 | | Fig 3-15e | (Typo)Label should be Bipolar RZ |
| 200 | | Tab3-5 | +7 should be +5 (corresponding to 001) |
| 206 | 5 | | raised cosine-rolloff ... (spelling typo) |
| 206 | 19 | | ... called a *Nyquist* filter. (spelling typo) |
| 209 | 6 | Eq.(No#) | Letting $f_1=f-f_0$ in the second integral, $\exp(-j\omega_0 t)$ should be $\exp(j\omega_0 t)$ |
| 237 | Top | Fig3-44 | $V_r$=reference level (spelling typo) |
| 238 | Top | Fig3-45 | $V_r$=reference level (spelling typo) |
| 359 | | Fig5-20b | Label should be $(A_c^2/4R)$... |
| 372 | | Fig5-31b | At the input, below d(t), R/2 should be R |
| 416 | 8 | | All Rs should have x subscripts as shown below $R_x(0) \pm R_x(\tau) + R_x(0) \geq 0$ |
| 420 | Footnote | | ...and the Russian mathematician A.I. ... |
| 427 | 11 | No# | Lower limit of integral should be $(n-½)T_b$ |
| 473 | | Eq(6-187) | Vertical bar after f(t) too long |
| 505 | 1 | | ... Fig.7-11, $r_o(t)$ is ... output $v_U(t)$.. |
| 710 | Bottom Line | | (Typo) Interescience should be Interscience |
| 719 | 19 | | (Typo) Most should be Mostly |
| 720 | 1 | | (Typo) and should be of |

END OF CORRECTIONS