

CORRECTIONS TO

Digital and Analog Communication Systems, L. W. Couch, II
 United States 7th Edition
 Pearson Prentice Hall, 2007

These are the corrections for the United States 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*

*** indicates that correction has been made in the 2nd printing.**

PAGE NO.	LINE NO.	Table, Eq., or Fig. NO.	CORRECTION
* 29	28	SA1-1	...of Line of Sight(LOS)
	44	11	Second cosine should be $\dots+j\cos 2\pi(f_0+f)t$
	46	10	Ex2-2 Insert a - sign after the second = sign
* 52	15	Ex2-4	Exponent of right integral should be $-j2\pi(f+f_0)t$
* 65		Fig2-9	x axis should be labeled $f \rightarrow$ (not t)
*126		FigP2-76	The resistor on the right should be labeled R_2 not R_1
	132	Fig3-3b	In the equation for the envelope of the spectrum, in two places change the n to a τ
	136	Fig3-6b	In the equation for the envelope of the spectrum, in two places change the r to a τ
	139	Fig3-7	Top right of the figure, change output label of the Encoder to PCM signal (not PAM signal)

PAGE NO.	LINE NO.	Table, Eq., or Fig. NO.	CORRECTION
139		Fig3-7	(Typo in) figure caption ... transmission ...
161		Fig 3-15e	(Typo)Label should be Bipolar RZ
*178		Tab3-5	+7 should be +5 (corresponding to 001)
184	5		raised cosine-rolloff ... (spelling typo)
184	19		... called a <i>Nyquist</i> filter. (spelling typo)
*187	6	Eq. (No#)	Letting $f_1=f-f_0$ in the second integral, $\exp(-j\omega_0 t)$ should be $\exp(j\omega_0 t)$
*215	Top	Fig3-44	V_r =reference level (spelling typo)
*216	Top	Fig3-45	V_r =reference level (spelling typo)
341		Fig5-20b	Label should be $(A_c^2/4R)$...
354		Fig5-31b	At the input, below $d(t)$, $R/2$ should be R
388		FigP5-24	The oscillator frequency is f_0 , not f_c
*404	8		All R_s should have x subscripts $R_x(0) \pm R_x(\tau) + R_x(0) \geq 0$
408	Footnote		...and the Russian mathematician A.I. ...
415	11	No#	Lower limit of integral should be $(n-\frac{1}{2})T_b$
461		Eq(6-187)	Vertical bar after $f(t)$ too long
467		Prob. 6-20	Delete Computer Symbol
499	1		... Fig.7-11, $r_o(t)$ is ... output $v_u(t)$...
711	11		(Typo) Interescience should be Interscience
719	26		(Typo) Most should be Mostly
720	9		(Typo) and should be of
725		4-28b	K_d and K_v should not be bold

END OF CORRECTIONS