-----> CORRECTIONS AS OF 02/24/2009 <-----

CORRECTIONS TO

Digital and Analog Communication Systems, L. W. Couch, II
6th Edition, 4th Printing
Prentice Hall, 2001

These are the corrections for the 4th printing of the 6th Edition. (These are also corrections that have been found after 10/27/2003 for the 1st printing. Additional corrections for the 1st printing found before 10/27/2003 are given after this list.) Look at the bottom of the Copyright Page of your book, on the line preceding the ISBN number, to determine which printing 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

		Table, Eq or Fig. No	•
xxii	31		Plank's constant 6.63 X
95	5		Eq. $(2-180)$ should be Eq. $(2-176)$
116		Prob 2-13	In the equation, t<0 should be t<1
140		Fig.3-8b	In label, Dashed line should be Analog signal, a(t) In label, Solid line should be Quantized PAM signal
187	6	Eq.(No#)	Letting $\texttt{f}_1 \texttt{=} \texttt{f} \texttt{-} \texttt{f}_0$ in the second intgral, $\texttt{exp}(\texttt{-} \texttt{j} \omega_0 \texttt{t})$ should be $\texttt{exp}(\texttt{j} \omega_0 \texttt{t})$
267		Fig.4-14	On left side (Input), Re[g(t)exp(-j ω_c t)] should be replaced by Re[g(t)exp(j ω_c t)]
298		Prob4-14b	In denominator of equation, change b to B

	or Fig. N	· <i>'</i>
406 Footn	note	and the Russian mathematician A.I
482	Last Eq.	$\mathbf{v}_{\scriptscriptstyle{0}}$ should be $\sigma_{\scriptscriptstyle{0}}$

(7-50) Second term on right side, $-y(t)\cos(...,$

 $C \cap DD E C T T \cap M$

First Eq. $\frac{1}{2}(A-V_{T}/\sigma_{0})$ should be $\frac{1}{2}Q(A-V_{T}/\sigma_{0})$

Should be $-y(t)\sin(...$

78	1	h=	6.63	Χ	• • •

Γα

DACE IINE Table

483

491

CORRECTIONS TO

Digital and Analog Communication Systems, L. W. Couch, II 6th Edition Prentice Hall, 2001

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	LINE Table	-	CCTION
30	15	line v	when there are
52	15	In 2^{nd} inte	ergal $(f-f_0)$ should be $(f+f_0)$
66	13	Should hav	$re \varphi_m(t) = exp(jm\omega_0 t)$
88	(2-16	7) Change sig	gn in exponent to +
136	Fig.3	-6b In sinx/2	the r should be $ au$
161	Fig.3	-15e Delete t i	n Bipolart RZ
165	Below (3-4	0) and (3	3-37b) into
235	9 under co	lumn g(m) last	part exp is $\ldots 1+m(t) $
240	Fig.4	-3a Remove the	1 subscript from both h(t) and k(t)
276	Fig.4	-22 In LPF blo	ock, $F_1(f) = F(f)$
277	Fig.4	-23 Top right	label should be Δf_h (not sub_n)
286	Fig.4	-31 Q channel	should be modulated by $\mbox{-2sin}(\omega_{IF}t)$

NO.	NO.	or Fig. N	·O.
294		Tab.4-5	Reference frequency=1,000 kHz (not 1,000 Hz)
295	2		of about ½ if the IF
295	5		(see Table 4-5)
302		(5-2a)	$[G(f-f_c)+$ (sub_c not sub_0)
311		Fig.5-3a	$v_{\scriptscriptstyle 2}(\text{t})$ equation should have $\sin\!\theta_{\scriptscriptstyle e}$ not $\cos\!\theta_{\scriptscriptstyle e}$
311		Fig.5-3b	BP Filter output should have ${\rm A_c}^2$ not ${\rm A_c}$
312	24	(5-16)	change ± to - over +
347		(5-83)	Summation index n is missing
357		(5-99)	Summation index n is missing
364		Fig5-35	MSK label num is $cos^2(2\pi f/R)$
367	9		as defined by Eq. (2-177)
456	456 Next to last line $ H(f) ^2$ should be $ H(f) ^2$		
505 10 Eq.after(7-71) ($\frac{1}{2}+\frac{1}{2}+$ should be ($\frac{1}{2}+\frac{1}{4}+$			
537	2		Lower limit on left integral is 0
703	26		Transfer Protocol (HTTP),
726	9		A Mathematical Theory of Communication

Library of Congress Cataloging-in-Publication Data

Couch, Leon W.

Digital and analog communication systems / Leon W. Couch II. — 6th ed.

o. cm

Includes bibliographical references and index.

ISBN 0-13-081223-4

1. Telecommunication systems. 2. Digital communications.

I. Title.

TK5101.C69 2000

621.382--dc21

00-029131 CIP

Vice president and editorial director: MARCIA HORTON

Publisher: TOM ROBBINS

Associate editor: ALICE DWORKIN Editorial assistant: JESSICA POWER Senior marketing manager: DANNY HOYT Marketing manager: ERIC WEISSER Managing editor: DAVID A. GEORGE Executive managing editor: VINCE O'BRIEN

Cover designer: JAYNE CONTE

Production/editorial supervision: PREPARÉ, Inc. Manufacturing buyer: DAWN MURRIN Manufacturing manager: TRUDY PISCIOTTI

Assistant vice president of production and manufacturing: DAVID RICCARDI



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Printed in the United States of America

10 9 8 7 6 5 4 <---Number of Printing

ISBN 0-13-081223-4

Reprinted with corrections July, 2002.

Pearson Education LTD.

Pearson Education Australia PTY, Limited

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