DIGITAL SIGNAL PROCESSING WITH EXAMPLES IN MATLAB

Samuel D. Stearns CRC Press 2002 ISBN 0-8493-1091-1

List of Corrections – First & Second Printings

Note: Corrections are listed in the order in which they were sent to CRC.

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p.55, third line in (3.27)	Change "Y=" to "y="
p.55, line 1 after (3.27)	Change "X" to "$X\left(2:N\right)$"
p.55, line 3 after (3.27)	Change "$x_{N/2}$" to "$X_{N/2}$"
p.68, Exercise 10, line 5	Change "[0,2]" to "[0,10]"
p.79, Title to Figure 4.4	Change "$\left\| H\left(e^{j\omega T}\right)\right\| = \theta - \phi$" to "$\angle H\left(e^{j\omega T}\right) = \theta - \phi$"
p.83, line 1	Change "$\left\| z = 1\right\|$" to "$\left\| z \right\| = 1$"
p.130, Exercise 5	Change the equation to read "$\left\| H\left(\omega T\right)\right\| = \left\| b_0 + 2\sum_{k=1}^{L} b_k \cos(\omega k T)\right\|$"

* Above corrections sent to CRC 12/17/2002.

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p.21, (2.7), 2nd line	Change "$c_k g_{kn}]$" to "$c_k g_{mn} g_{kn}]$"
p.29, (2.26)	Change lower limit of sum from "$m = 0$" to "$m = 1$"
p. 42, line 1 after (3.4)	Change "+" to "-"
p. 49, Table 3.1	Under "Hz(f)", change "$\Omega/(\pi T)$" to "$\Omega/(2\pi T)$"
p. 49, Table 3.1	Under "rad(Ω)", change "πfT" to "$2\pi fT$"
p.53, Code in box, 2nd line	Add bracket ( ]) at end of expression before semicolon.
p.59, (3.34)	In the integral, change "dt" to "dω"
p.78, line 2b	Change "1.9" to "2.0"
p.79, Fig. 4.3, right-hand plot	In x label, change "$\nu = \omega / 2\pi$" to "$\nu = \omega T / 2\pi$"
p.79, Fig. 4.4, right-hand plot	In x label, change "$\nu = \omega / 2\pi$" to "$\nu = \omega T / 2\pi$"

* Above Corrections mailed ~2/15/2003

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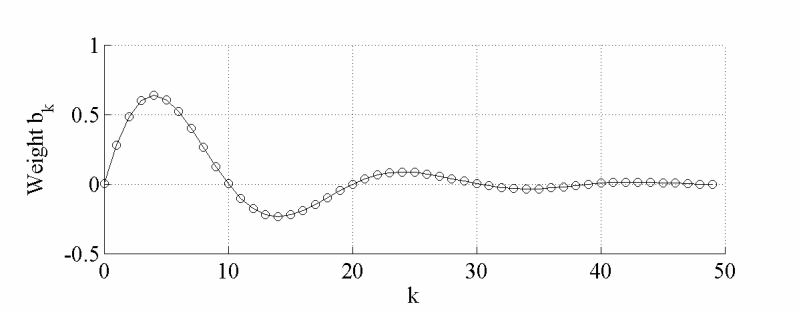
p.49, Fig. 3.6	On the lowest abscissa, change "rad (ω)" to "rad/s (ω)"
p.63, title to Fig. 3.13	Change (3.42) to (3.44)
p.79, Fig. 4.4, left plot	Exchange the pole and the zero. Pole is at $z = 0.9$; zero at $z = -1.0$
p.124, line 1	Change "nonwindowed" to "windowed"
p.151, text box	Change "given by $e^{j\pi\nu}$" to "given by $e^{j2\pi\nu}$"

p.152, Fig. 6.11	In the digital filter power gain plot, change "π / T" to "0.5"
p.154, line 6B	Change "$M = N = 2$" to "$M = N = 3$"
p.173, Eq. (7.14), line 1	Add term to end of line: "$+\frac{\mu}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-y^2} dy$"
p.173, Eq. (7.14), line 2	Change "$+\mu \int_{-\infty}^{\infty} e^{-y^2} dy$" to "$+\frac{\mu}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-y^2} dy$"
p.182, Eqs. (7.32) and (7.33)	Several corrections are marked in these two equations
p.191, (7.36) and (7.37)	change X_m to X'_m and Y'_m to Y_m
p.214, Eq.(8.28), last line	Change "$x_2x_2 + x_3x_3 + x_4x_4$" to "$x_1x_1 + x_2x_2 + x_3x_3$"
p.215, line 5B	Change "being response of $U(z)$" to "being the response of $U(z)$"
p.219, Eq. (8.40), last line	Change "d=filter(c*sin(.1*pi), [1 -2*c*cos(.1*pi) c^2], f);" to "d=filter([0 c*sin(.1*pi)], [1 -2*c*cos(.1*pi) c^2], f);"
p.220, Fig. 8.15	Replace the upper half of the figure:



* Above corrections mailed 4/17/2003

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p.191, line 1 above Eq. (7.38)	Change "autocorrelation function" to "correlation function"
p.281, Eq. (10.6)	Insert a minus sign in front of the summation
p.281, Eq. (10.8)	Insert a minus sign in front of the summation. Change upper limit from "7" to "2"

* Above corrections mailed 6/5/2003

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p. 28, Table 2.1, last 2 lines	$c_0 = a_0 / 2;\ c_m = (a_m - jb_m)/2;\ m > 0$ $c_{-m} = c'_m$
p. 29, Eq. 2.28	Change "$(1 - 2\cos(2\pi mn / N))/2$" to "$(1 - \cos(4\pi mn / N))/2$
p. 46, line 3 after Eq. 3.16	Change "instead of N products" to "instead of N^2 products"
p. 194, Ex. 1b	Change "(7.5)" to "(7.6)"
p. 195, Ex. 4, line 2	Change "average power" to "variance"

p. 236, line 4b	Change "solving for $[b_0, b_1]$" to "solving for $[b_0, b_1, b_2]$"
p. 244, Eq. 9.6, first line	Change "$\delta(n)\Phi_{ff} b$" to "$\delta(n)'\Phi_{ff} b$"
p. 264, Eq. (9.71)	Change "$uN\,MSE_{\min}$" to "$u\,MSE_{\min}$"
p. 264, Eq. (9.72)	Change "*uN"* to "*u*"
p. 266, Fig. 9.11	Change vertical scale from "0:0.12" to "0:0.06"
p. 266, line 8b	Change "the ideal time constants (9.69)" to "the time constants (9.69) with $\sigma^2 = \lambda_{\min}$"
p. 273, Ex.16, line 5b	Change "*n*th " to "*m*th"
p. 298, Fig. 10.15	In the block diagram, change "Linear predictive coding" to "Transform coding"

* Above corrections mailed 5/8/2006