ERRATA for Ambardar's Analog and Digital Signal Processing, Brooks-Cole, 1999
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Page 11: Line 6 (equation): Lower limit of both integrals should be $-\infty$.

Page 20: After second bullet: Replace $y(t) = r(t) - r(t-3) - 3u(t)$ by $y(t) = r(t) - r(t-3) - 3u(t-3)$

Page 31: Prob 2.8 Figure for Signal 4: Replace x-labels [3,6] by [2, 4]

Page 43: Last equation: Replace $x_o[n] = 0.5x[n] + 0.5x[-n]...$ by $x_o[n] = 0.5x[n] - 0.5x[-n]...$

Page 75: Example 4.5(e) $y'(t+4) + 2y(t+4) = x(t+2)$. This is causal, dynamic and timevarying.

Page 95: Prob 4.39, In the equation in Line 1: Replace $4y(t)$ by $4y'(t)$

Page 95: Prob 4.40(b), In the equation, Replace $4y(t)$ by $4y'(t)$

Page 106: Example5.6(b)Line 5, Replace $-A\sin(0.5n\pi)$ by $A\sin(0.5n\pi)$

Page 109: Example5.7(c)Line 13, Replace $-0.5 + A(-1)^n + B(2)^n$ by $-3 + A(-1)^n + B(2)^n$

Page 113: Example5.11(b), Line 5, Replace $4h_0[n] - h_0[n-1]$ by $2h_0[n] - 6h_0[n-1]$

Page 116: Example5.15(c), End of Line 5: Replace $\delta[n-2]$ by $\delta[n-1]$

Page 121: Prob5.8 (e) and (f): append $u[n]$

Page 129: Prob5.50 (a),(b),(c),(d): Replace $-0.5y[n]$ by $-0.5y[n-1]$

Page 134: Exmple6.2(b), In first intergal: Replace $u(\lambda+1)$ by $u(\lambda+3)$

Page 138: Example6.3(h), Line 5 (equation), Replace last term $+r(t+2)$ by $+r(t-2)$

Page 141: Example6.7 Table, column 2 (Range: $2 \le t \le 4$), in integral: Replace $2\lambda\,d\lambda$ by $2\,d\lambda$

Page 157: Eq(6.46): Replace $r_{xx}(t) \le r_{xx}(0)$ by $|r_{xx}(t)| \le r_{xx}(0)$

Page 157: Line after Eq(6.46):
Replace 'is finite and nonnegative for all t' by 'is nonnegative at $t = 0$ and finite for all t'

Page 158: Review Panel6.23: Last item $r_{xx}(t) \le r_{xx}(0)$ by $|r_{xx}(t)| \le r_{xx}(0)$

Page 191: Prob7.18, Line 1: Replace $y[n] - 0.5y[n] = x[n]$ by $y[n] - 0.5y[n-1] = x[n]$

Page 200: Example8.1(b):
Line 2: Replace 'a second ($k = 2$) and a tenth ($k = 10$) harmonic' by 'the fundamental ($k = 1$) and a fifth ($k = 5$) harmonic'
Line 3: Replace '$a_2 = 1$, and $b_{10} = -2$' by '$a_1 = 1$, and $b_5 = -2$'

Page 204: Example 8.2(e) Line 1: Delete the word 'hidden'

Page 213: Example8.5(c) Line 2: Replace $G[k] = X[k] - Y[k]$ by $G[k] = X[k] + Y[k]$

Page 223: Example8.9(b) Replace $g(t) = 12 + 6\cos(2\pi t)$ by $g(t) = 8 + 6\cos(2\pi t)$.

Page 238: Prob 8.1(a), Replace term $2\sin(4\pi t + \frac{\pi}{4})$ by $2\sin(4\pi t)$

Page 260: Example9.5(b) Switch signs of the rect terms in $y(t)$ and the sinc terms in $Y(f)$

Page 260: Example9.5(c) Delete the factor $e^{j2\pi f}$ in $V(f)$

Page 261: Example9.5(d) Replace $G(f) = 2\text{sinc}^2(2f) - \text{sinc}^2(f)$ by $G(f) = 4\text{sinc}^2(2f) - \text{sinc}^2(f)$

Page 261: Example9.5(e) Delete the factor $e^{j2\pi f}$ in first equation for $H(f)$

Page 262: Example9.5(f)
Line 1: Replace $\text{rect}(t)$ by $\text{rect}(t/2)$ in two places.
Line 3: Replace $\text{rect}(t) \Leftrightarrow \text{sinc}(f)$ by $\text{rect}(t/2) \Leftrightarrow 2\text{sinc}(2f)$ and replace equation below Line 3 by:
$S(f) = 0.5[\delta(f+0.5) + \delta(f-0.5)] \star 2\text{sinc}(2f) = \text{sinc}[2(f+0.5)] + \text{sinc}[2(f-0.5)]$

Page 278: Line 5, Replace 'less than' by 'greater than'

Page 279: Example9.15(a) Replace $H(f) = 2\text{rect}(f/2)$ by $H(f) = 2\text{tri}(f/2)$

Page 286: Example 9.17(b), Delete ')' from denominator of $H(f)$

Page 289: Prob 9.2 Figure for Signal 4: Replace x-labels [3,6] by [2, 4]

Page 290: Prob 9.9(b): Replace last term $-r(t-4)$ by $+r(t-4)$

Page 299: Prob 9.70(b): Replace the term $4y(t)$ by $4y'(t)$

Page 333: Table 11.2, Entry 12: Replace the integrand $x(t)\,dt$ by $x(\tau)\,d\tau$

Page 348: Review Panel 11.12, Replace $x''(t) \Leftrightarrow s^2 X(s) - sx'(0) - x''(0)$ by $x''(t) \Leftrightarrow s^2 X(s) - sx(0) - x'(0)$

Page 366: Prob 11.36 and Prob 11.37(b): Replace the term $4y(t)$ by $4y'(t)$

Page 397: Prob 12.35(b): Replace the term $4y(t)$ by $4y'(t)$

Page 399: Review Panel 13.2, **Chebyshev I** and **II**: Switch the words 'monotonic' and 'rippled'

Page 401: Line 6 end: Replace $B = \omega_4 - \omega_1$ by $B = \omega_3 - \omega_2$

Page 406: Example 13.2(b), last line: Replace ν^{10} by ν^8

Page 407: Example 13.2(e), in denominator of $H(s)$: Replace 444.29 by $444.29s$

Page 409: Example 13.3(a), in denominator of $H_2(s)$: Replace $675.44.05s^2$ by $675.44s^2$

Page 410: Example 13.3(c), Line 2: Replace '70 Hz' by '55 Hz'.
   Line 3: Replace '[30, 50, 70, 100]' by '[30, 50, 55, 100]'   and $f_2 f_3 = 3500$ by $f_2 f_3 = 2750$
Page 440: Prob 13.5, line 1: Replace 'third-order and a fourth-order' ' by 'second-order and a third-order'
Page 471: Paragraph below Fig.14.24: Delete sentence 'After encoding, modulation...'
Page 471: Paragraph below Fig.14.24: Replace last sentence of paragraph with:
   'For a recording time of an hour, this translates to about 600 MBytes.'
Page 483: Sec15.2: Line 4: Replace 'Fourier' by 'scaled Fourier', $X(f)$ by $SX(f)$ and $SX_p(F)$... by $X_p(F)$...
Page 483: Sec15.2: Line 5: $SX_p(F)$ by $X_p(F)$ and $X(f)$ by $SX(f)$.
Page 483: Review Panel 15.2 penultimate line: Replace $X(f) = SX_p(F)$... by $SX(f) = X_p(F)$...
Page 483: Review Panel 15.2, last line: Replace $SX_p(F)$ by $X_p(F)$ and $X(f)$ by $SX(f)$
Page 487: Table 15.2, Modulation entry: Replace $0.5[(\Omega+\Omega_0)+X_p(\Omega-\Omega_0)]$ by $\pi[X_p(\Omega+\Omega_0)+X_p(\Omega-\Omega_0)]$
Page 492: Eq(15.18): Replace $\delta(f - kF_0)$ by $\delta(F - kF_0)$
Page 492: Eq(15.19): Replace lower limit of summation $k = 0$ by $n = 0$
Page 492: Review Panel 15.13: Replace $\delta(f - kF_0)$ by $\delta(F - kF_0)$
Page 492: Example 15.3(a), equation for $X_p(F)$: Replace $\delta(f - \frac{k}{4})$ by $\delta(F - \frac{k}{4})$
Page 493: Example 15.3(b), Replace $k = 0, 1, ..., 5$ by $k = 0, 1, ..., 4$ and $\delta(f - \frac{k}{5})$ by $\delta(F - \frac{k}{5})$
Page 497: Review Panel 15.16, first line: Replace '$F = 0$ (or $\Omega = \pi$)' by '$F = 0.5$ (or $\Omega = \pi$)'
Page 498: first line: Replace '$0.556 and H_p(0.5) =$...' by '0.556 and $H_p(0.5) =$...'
Page 499: Example 15.7(a), Line 2: Replace $(1 - e^{-j\Omega})$ by $(1 - \alpha e^{-j\Omega})$
Page 536: Table 16.1, Last entry: Move factor $\dfrac{1}{N}$ from left-hand-side to right-hand-side.
Page 541: Eq(16.9), denominator: Replace $1 - e^{-j2\pi k/N}$ by $1 - \alpha e^{-j2\pi k/N}$
Page 545-546: Example 16.4(a): Delete negative sign in all exponentials for $n = 0, n = 1, n = 2, n = 3$
   For $n = 3$ (after above correction): replace $e^{j9\pi/2}$ by $j2e^{j9\pi/2}$
Page 553: Example 16.8(a), Line 4: Replace '0.1953' by '0.25'
Page 570: Example 16.14, In the 4x4 matrix: Replace all lowercase 'w' by uppercase 'W'
Page 573: Table 16.5, Entries 6 and 7: Replace $\log_2 M$ by $\log_2 N$ and (last col of 6): Replace $\frac{N}{2}N$ by $\frac{N}{2}$
Page 585: Problem 16.34(a) Replace 'sampling $S_{\min}$ rate' by 'sampling rate $S_{\min}$'
Page 595: After Fig 17.1, fourth line: Replace $0 > |z| > p|_{\max}$ by $|z| > |p|_{\max}$
Page 595: Last equation, Entries 6 Replace 'ROC: $|z| > |\alpha|$' by 'ROC: $|z| < |\alpha|$'
Page 601: Example 17.4(a), Line 3: Replace $z = -\frac{1}{3}$ by $z = \frac{1}{3}$
Page 606: Review Panel 17.15: Lines 2 and 3: Switch *ascending* and *descending*
Page 609: Example 17.9(a), Line 3: Replace $z - 0.24$ by $z - 0.25$
Page 610: Last line on page: Replace $\dfrac{-0.5}{z - 2}$ by $\dfrac{-0.5z}{z - 2}$
Page 611: Line4: Replace $0.25 - j0.25$ by $0.25 - j0.75$ and Line 5: append $u[n]$
Page 611: Example17.9(e): Replace $B\alpha^n \cos(n\Omega)u[n] \iff$ by $B\alpha^n \sin(n\Omega)u[n] \iff$
Page 617: Example 17.14(c): Replace $X_1(z) = 2 - z^{-1}$ by $X_1(z) = 2 + z^{-1}$
Page 619: Example 17.15(c), last line: Replace $4(0.25)^n u[n]$ by $4(0.5)^n u[n]$
Page 620: Example 17.16(b): Replace $\dfrac{Y(z)}{z} = \ldots = \dfrac{8}{z - 0.5} - \dfrac{4}{z - 1}$ by $\dfrac{Y(z)}{z} = \ldots = \dfrac{8}{z - 1} - \dfrac{4}{z - 0.5}$
   Last equation should read $Y(z) = \dfrac{8}{z - 1} - \dfrac{4}{z - 0.5}$ $y[n] = 8u[n] - 4(0.5)^n u[n]$
Page 621: Line 7, in equation for $Y_{\mathrm{zi}}(z)$: Replace $0.75z$ by $1.2z$
Page 626: Prob 17.13(d), Replace $z > 3$ by $|z| > 3$
Page 636: Prob17.82 (a)-(d) and Prob 17.83(a): Replace $-0.5y[n]$ by $-0.5y[n - 1]$
Page 651: Fig 18.9 For all plots, Replace labels '$K =$...' by '$G =$...'
Page 688: Table 19.3, second row: Replace $\frac{2}{t_s}(x[n] + x[n - 1])$ by $\frac{t_s}{2}(x[n] + x[n - 1])$
Page 696: Line 4: Replace $K = \dfrac{\tan(\pi/8)}{\tan(\pi/4)} = 0.4142$ by $K = \tan(\pi/8)\tan(\pi/4) = 0.4142$
Page 698: Example 19.9(b), Line 3: Replace $\Omega_2 = 2\pi(6/25)$ by $\Omega_2 = 2\pi(9/25)$
Page 730: Review Panel 20.5, Line 5: Replace $A_{\mathrm{WP}} \le A_s$ by $A_{\mathrm{WP}} \le A_p$
Page 736: Lines 6 and 7: Replace $h_{\mathrm{BP}}[n]$ by $h_{\mathrm{BS}}[n]$
Page 776: Ex21.20,Line 4: Replace 1600 by 8192. In Matlab code: replace `z=y(1:1600);` by `z=y(1:8192);`