Errata

Page	Error and Correction
11	"$-\frac{1}{jk\Omega_0 t}e^{jk\Omega_0 t}$" should be "$-\frac{1}{jk\Omega_0 T}e^{-jk\Omega_0 t}$"
14	"$\frac{T_0}{2}\text{sinc}\left(\frac{\Omega T_0}{\pi}\right)$" should be corrected as "$2T_0\text{sinc}\left(\frac{\Omega T_0}{\pi}\right)$"
15	"$\frac{1}{2\pi}\int_{-\infty}^{\infty} X(j\Omega)e^{-j\Omega t}d\Omega$" should be corrected as "$\frac{1}{2\pi}\int_{-\infty}^{\infty} X(j\Omega)e^{j\Omega t}d\Omega$"
17	"$\frac{1}{T_p}\int_{-T/2}^{T/2}\delta(t)e^{-jk\Omega_0 t}dt$" should be corrected as "$\frac{1}{T}\int_{-T/2}^{T/2}\delta(t)e^{-jk\Omega_0 t}dt$"
26	"range of 0.05" should be corrected as "range of 0.1"
31	"$x_1[k-n_0]$" should be "$x[k-n_0]$" and "$\sum_{k=-\infty}^{n-n_0}x[l]$" should be "$\sum_{l=-\infty}^{n-n_0}x[l]$"
34	"$\delta[n]$"and "$\delta[n-1]$" should be "$\delta[n-m]$" and "$\delta[n-1-m]$", respectively, in the 3rd to 5th lines of derivation
36	"n" should be "$n-10$" in the upper summation index for $y_2[n]$
37	"$y[n]=$" should be "$h[n]=$" in Example 3.10
45	"$I(\tau)$" should be "$I(j\tau)$" in (4.5)
48	"$H(\Omega)$" should be "$H(j\Omega)$" in (4.8) while "$e^{-j\Omega t}$" and "$2\sin(\pi t/T)$" should be "$e^{j\Omega t}$" and "$T\sin(\pi t/T)$" in (4.10)
54	"2001 samples of" should be "2000 samples of"
57	"$x(t)$" should be "$x_s(t)$" in (5.3) and a "=" is missed in (5.5)
65	"$N_-=0$" should be "$N_-=-1$"
67	The second "$-a^n u[-n-1]$" in Table 5.1 should be "$-na^n u[-n-1]$"
74	The second "A_1" in $X(z)$ should be "A_2" and "$h[n]$" should be "$x[n]$"
80-81	"$\left(ae^{jb}\right)$" and "$\left(ae^{-jb}\right)$" should be "$\left(ae^{jb}\right)^n$" and "$\left(ae^{-jb}\right)^n$", respectively
84	"$(1+z^{-1})(1-2z^{-1})$" and "$(1-0.5z^{-1})(1+2z^{-1})$" should be with $X(z)$ and $Y(z)$, respectively
87	"continuous and aperiodic" should be "continuous and periodic" in Figure 6.1
88	"$e^{j\omega n}$" should be "$e^{-j\omega n}$" in (6.6)
90	"$e^{j\omega/2}-e^{j\omega/2}$" should be "$e^{j\omega/2}-e^{-j\omega/2}$"
93	"$0<\omega<\pi$" should be "$0<w_0<\pi$"

94	"$-e^{j\omega}\frac{dX(e^{j\omega})}{\omega}\cdot\left(\frac{de^{j\omega}}{\omega}\right)^{-1}=-j\frac{dX(e^{j\omega})}{d\omega}$" should be "$-e^{j\omega}\frac{dX(e^{j\omega})}{d\omega}\cdot\left(\frac{de^{j\omega}}{d\omega}\right)^{-1}=j\frac{dX(e^{j\omega})}{d\omega}$" and "$-j$" should be "$j$" in (6.12)
95, 171	"$d\omega$" should be "$d\tau$" in (6.18) and (10.15)
100	"$e^{-\frac{j2\pi k}{5}}+1+e^{-\frac{j2\pi k}{5}}$" should be "$e^{\frac{j2\pi k}{5}}+1+e^{-\frac{j2\pi k}{5}}$"
106	"$W_N^{-kl}\tilde{x}[n-m]$" should be "$W_N^{-nl}\tilde{x}[n]$" in (7.22)
112	"$2\cos(0.7\pi+1)$" should be "$2\cos(0.7\pi n+1)$"
119	"$e^{-j2\pi/N}$" should be "$e^{-j2\pi k/N}$" and "W_N^k" should be "W_N^{kn}" in (7.44)
120-121	"$W_{N/2}^{2nr}$" should be "$W_{N/2}^{nr}$" in (7.50) and (7.51)
125	"Discusss" should be corrected as "Discuss"
133-149	"Example 10" should be "Example 9"
136-137	"$W_1[n]$" and "$W_2[n]$" should be "$W_1(z)$" and "$W_2(z)$", respectively
141	"M" should be "N" in (9.27)
142-143	"cascade" should be "canonic" in Example 9.3
144	"express as (9.29)" and "β'_{0k}" should be "express (9.29)" and "1", respectively
150	The register number for parallel form should be "$1.5M$" instead of "$2M$"
160	"$h[0]=1$" should be "$h[0]=2$"
165	"$(2M-1)$" should be "$(2M+1)$" and "$h_d[n]=-h_d[n]$" should be "$h_d[n]=h_d[-n]$"
175	"Barlett" should be "Bartlett"
179	"the extract the" should be "extract the"
181	"$\sum_{n=0}^{9}h[n]\cos((10-n)\omega)$" should be "$2\sum_{n=0}^{9}h[n]\cos((10-n)\omega)$" and "$\omega_p=0.5453\pi$" should be "$\omega_s=0.5453\pi$"
190-191	"$\omega=\frac{j2\pi k}{N}$" should be "$\omega=\frac{2\pi k}{N}$" in (10.31) and (10.35)
192	"$1\cdot e^{-j\omega\tau}$" should be "$1\cdot e^{-j(\omega-2\pi)\tau}$" for "$2\pi-\omega_c<\omega<2\pi$"
195	"$\omega_p=0.525\pi$" should be "$\omega_s=0.525\pi$"
201	"$H_a(j\Omega)|^2_{\Omega=s/j}$" and "$(j\Omega)^{2N}$" should be "$|H_a(j\Omega)|^2\big|_{\Omega=s/j}$" and "$(j\Omega_c)^{2N}$" in (11.10), respectively
205	"sufficiently large" should be "sufficiently small"
206	"σ" should be "σT" in (11.27)
213	"ω_c" should be "ω_{c_0}" in Table 11.1
225	"truncation" should be "time shifting"