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**Errata List**
of
**"Digital Signal Processing: A Computer-Based Approach"**, Second Edition

**Chapter 2**

1. Page 48, Eq. (2.17): Replace "$y[n]$" with "$x_{ch}[n]$".
2. Page, 51: Eq. (2.24a): Delete "$\frac{1}{2}\{x[n]+x^*[N-n]\}$". Eq. (2.24b): Delete "$\frac{1}{2}\{x[n]-x^*[N-n]\}$".
3. Page 59, Line 5 from top and line 2 from bottom: Replace "$-\cos[(\omega_1+\omega_2-\pi)n]$" with "$\cos[(2\pi-\omega_1-\omega_2)n]$".
4. Page 61, Eq. (2.52): Replace "$A\cos[\Omega_m+k\Omega_F\pi+\phi]$" with "$A\cos(\pm\Omega_m t+\phi)+k\Omega_F t$)".
5. Page 62, line 11 from bottom: Replace "$\Omega_T>2\Omega_m$" with "$\Omega_T>2|k_m|$".
6. Page 62, line 8 from bottom: Replace "$2\pi\Omega_m/\omega_T$" with "$2\pi\Omega_m/\Omega_T$".
7. Page 65, Program 2_4, line 7: Replace "x = s + d;" with "x = s + d';".
8. Page 79, line 5 below Eq. (2.76): Replace "$\sum_{n=0}^{\infty}|x^n|<\infty$" with "$\sum_{n=0}^{\infty}|x|^n<\infty$".
9. Page 81, Eq. (2.88): Replace "$\alpha_{k-1}\lambda_2^n+\alpha_k\lambda_{k-1}^n$," with "$\alpha_{k-1}\lambda_2^n+\mathbf{L}+\alpha_k\lambda_{k-1}^n$,".
10. Page 93, Eq. (2.116): Replace the lower limit "n=-M+1" on all summation signs with "n=0".
11. Page 100, line below Eq. (2.140) and caption of Figure 2.38: Replace "$\omega_0=0.03\pi$" with "$\omega_0=0.06\pi$".
12. Page 110, Problem 2.44: Replace "$\{y[n]\}=\{-1,\ -1,\ 11,\ -3,\ -10,\ 20,\ -16\}$" with "$\{y[n]\}=\{-1,\ -1,\ 11,\ -3,\ 30,\ 28,\ 48\}$", and "$\{y[n]\}=\{-14-j5,\ -3-j17,\ -2+j5,\ -26+j22,\ 9+j12\}$" with "$\{y[n]\}=\{-14-j5,\ -3-j17,\ -2+j5,\ -9.73+j12.5,\ 5.8+j5.67\}$".
13. Page 116, Exercise M2.15: Replace "randn" with "rand".

**Chapter 3**

1. Page 118, line 10 below Eq. (3.4): Replace "real" with "even".

2

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**Signal Processing First Solution Manual Chapter 13**