ERRATA
Digital Signal Compression: Principles and Practice

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Dedication

To Eleanor

To Celli and Ricardo
1. Page 100, eqn. (5.44): add -1 within ( ) for \( q > 0 \) and +1 in ( ) for \( q < 0 \) to read:
\[
y = \begin{cases} 
(q - 1 + t/2 + \xi)\Delta, & q > 0 \\
(q + 1 - t/2 - \xi)\Delta, & q < 0 \\
0, & q = 0
\end{cases}
\] (1)

2. Page 195, change sentence above (7.116) beginning with “Furthermore” to read:
“Furthermore, the basis for \( \phi(2^{-(k-1)}t) \) is the set \( \{ \phi(2^{-k}t - n) \} \).” (\( \phi(2^{-(k-1)}t) \) corrected and period appended.)

3. Page 223, Sec. 8.1.2.1, line 11: change “\( R_2 > R_D \)” to “\( R_2 < R_D \).”

4. Page 229, Algorithm 8.3, line below 2. Main: For \( n = 0, 1, 2, \ldots, N - 1 \)

5. In Sec. 8.2, page 236, the variance of the source in the frequency range of the \( m \)-th subband, \( \sigma_m^2 \), was omitted incorrectly in three places.
   i. Eqn. (8.42) should read
   \[
   \theta = \prod_m \left( V_m w_m g_m \sigma_m^2 \right)^{\eta_m} 2^{-aR} = \sigma_{WGM}^2 2^{-aR}
   \]
   ii. The definition of \( \sigma_{WGM}^2 \) below Eqn. (8.42)should be corrected to
   \[
   \sigma_{WGM}^2 = \prod_m \left( V_m w_m g_m \sigma_m^2 \right)^{\eta_m}.
   \]
   iii. The definition of \( \sigma_{WGM}^2 \) at the bottom of page 236 should be corrected to
   \[
   \sigma_{WGM}^2 = \prod_{m \in J_c} \left( V_m w_m g_m \sigma_m^2 \right)^{\eta_m}.
   \]

6. Page 242, Problem 8.1, line after equation of \( \rho(r) \): change “Problem 8.3” to “Problem 7.3”.

7. Page 402, 3rd line below (14.6): change “there is more” to “there are more”.
