Chapter 2

p. 77:
In the 4th line from the bottom
\[ D(i) = \frac{1}{T} \int_{a}^{b} \text{Func}(t) \, dt \]
Should be
\[ D(i) = \frac{1}{T} \int_{a}^{b} \text{Func}(t) \, dt \]

In the 8th line from the bottom,
\[ D(i+N+1) = \frac{1}{T} \int_{a}^{b} \text{Func}(t) \, dt \]
Should be
\[ D(i+N+1) = \frac{1}{T} \int_{a}^{b} \text{Func}(t) \, dt \]
and

Chapter 3

p. 100:
In Eq.(3.17), the first case should be "1-2|x|" instead of "1-|t|".

Page 162, Figure 3.47: Both horizontal and vertical axes are missing labels with obvious values.

p. 164:
In the 5th line below the program, both "n=" should be replaced by "q=".

p. 166:
In Figure 3.49, (c), the horizontal label should be \( H_q \) instead of \( G_q \).

p. 169,
In Figure P3.1-6, the x-axis label should be "-1/2" and "1/2", respectively. The current label is missing a horizontal short line between 1 and 2.

p. 173, Equation above Problem 3.5-1:
The condition should be "a_i > 0" instead of "a_i \neq 1".

Chapter 4:

p. 185,
Paragraph below Fig. 4.3, last sentence:
Chance "can passes" to "can pass".

p. 201,
Line 3 below Eq.(4.20c): remove "that" in "that SSB-SC".

p. 230, the equation has two errors:
It should be

\[ m_2(t) = 2 \text{sinc}(\frac{2t}{Ta}) + \text{sinc}(\frac{2t}{Ta} + 1) + \text{sinc}(\frac{2t}{Ta} - 1) \]

p. 242,
Figure 4.51: the last Figure top label should be "Recovered spectrum 2" not "Recovered spectrun 2".

p. 247, Figure P4.2-9 is missing one multiplication sign inside each of the two circles. In part (a), omega_0 should be 20000 pi instead of 40000 pi

Chapter 5:

p. 262, 2nd Equation from bottom (un-numbered):
Delete the 2nd equality sign and everything behind it.
It becomes

\[ \delta f = \frac{m_{\text{max}} - m_{\text{min}}}{2 \times 2 \pi} \]

p. 270, (d) should use omega_c instead of simply omega.

p. 281, Figure 5.12(c), the label of the middle point phi_{FM}(t) should have a dot on top of greek letter phi.

Chapter 6:

p. 352, Figure 6.34, "Noise cavity" should be "Nose cavity".

p. 355, line 9 fro the bottom of the page:
It should be "International Electrotechnical". (NOT Electottechnical.)
Chapter 7:

p. 377, 3rd line of the 2nd paragraph: "where the data consists of" should be "where the data consist of".

Chapter 8:

p. 465, Figure 8-7: The 2nd input label should be "x=0" above 1-Q.

p. 468, Figure 8-9(b): both "P" should be the lower case "p".

p. 470, Figure 8-10(a): the "P_x(x)" should be lower case "p".

p. 474, Figure 8-11: Upper case "P" should be replaced by lowercase "p" and the Greek sigma should be removed.

p. 504, Figure P.8.1-10: the 2nd figure label should be "(b)", not "(a)".

p. 508, Problem 8.3-4: add "independent" between "be" and "binary".

p. 510, Problem 8.6-1: Change "An exponential channel noise" to "A symmetric exponential channel noise".
In Hint: change both "(y)" and "(n)" into "(x)". Then add to the end of the "Hint" the following p_n(x)=\exp(-2|x|)

Chapter 9:
In example 9.7, the first two equation should use roman font "a" in the ten places that "a_k" appear instead of using italic font "a".

Chapter 10:

p. 565, Figure 10.2: The 2nd filter should be "Lowpass filter" instead of "Bandpass filter".

p. 567, Figure 10.3: The 2nd filter should be "Lowpass filter" instead of "Bandpass filter".

Chapter 11:

p. 719, Eq. (12.9) should add "= P_h" to the end of the equation.

Chapter 13:

p. 779, Line 12: In the equation we should replace W[n] by w[n].

p. 808, line 1 (1st sentence): Add "of" to modify the sentence into "OFDM is arguably one of the ..."

p. 815, Equation (12.80): Remove the first "negative" sign in the first "exp[...]" function such that it becomes "exp[(j \omega_p(t-\tau_i)]."
p. 903: Delete equation number (14.126).

P. 956, Figure 15.20(a) has two labeling errors on the boxes. Both labeled by "g1(D)/g2(D)" should use "g2(D)/g1(D)" instead.