

CORRECTIONS

Front Matter

Page following the preface: “Daoutiti’s” should be “Daoutidis”

Chapter 2: Linear Algebraic Equations

Page 65, 13th line: “Multiplying” should be “Dividing”

Page 82, 4th line of Section 2.10: “solve each” should be “solve all”

Page 83, 3rd line: “ $t \sim n(n+m)^2$ ” should be “ $t \sim n^2(n+m)$ ”

Page 96, 3 lines above the section heading 2.13.1: “Guassian” should be “Gaussian”

Page 97, 2 lines from the bottom: “the Jacobi’s” should be “Jacobi’s”

Page 107, 2nd to last line of first paragraph: “reasonable” should be “reasonably”

Page 110, Eq. 2.14.17: “ s_{xx} ” should be “ s_{x^2} ”

Page 149, Program 3.3, Line 11: “Newton’Źs” should be “Newton’s”

Chapter 4: Initial Value Problems

Page 210, 3rd line of the caption to Program 4.1: “ $x = x_0 = nh$ ” should be “ $x = x_0 + nh$ ”

Page 222, Line above Eq. 4.2.60: “ $a_1 = h$ ” should be “ $a_1 = 1$ ”

Page 222, Eq. 4.2.60: “ $\phi = hf(x_i, y_i)$ ” should be “ $\phi = f(x_i, y_i)$ ”

Page 224, Eq. 4.2.78: the second term “ $\frac{h}{2}f(x_i, y_i)h$ ” should be “ $\frac{h}{2}f(x_i, y_i)$ ”

Page 259, Line 9: “PRF” should be “PFR”

Page 259, 5 lines from bottom: “PRF” should be “PFR”

Chapter 5: Dynamical Systems

Page 285, Equation (5.3.33), the J(1,1) entry should be $3ax^2 + ay^2$ and the J(2,2) entry should be $3ay^2 + ax^2$

Page 287, Figure 5.6, the legend is mislabeled and should read: “Solution to Example 5.2 leading to (a) a center, (b) an unstable focus, and (c) a stable focus.”

Chapter 7: Partial Differential Equations

Page 387, Eq. 7.3.9: “ $c_n = \frac{2}{n\pi}$ ” should be “ $c_n = -\frac{2}{n\pi}$ ”

Chapter 8: Interpolation and Integration

Page 432, Line 1: “Simply” should be “Simplify”

Appendix A: Matlab “Tutorial”

Page 465, before the second box: “space or comma (to make a column vector) or by semicolons (to create a row vector)” should be “space or comma (to make a row vector) or by semicolons (to create column vector)”

Page 465, after the second box: “makes a 1 x 3 column vector” should be “makes a 1 x 3 row vector”