

Page 169: Exercise 3.2(a) should read: $Y(s)/U(s)=(s^2-3s+1)/(s^4+4s^3+3s^2-s+5)$

Page 177: Left-hand side of Eqs. (4.31) and (4.32) should read: $\exp\{\mathbf{A}'(t-t_0)\}$

Page 191, Example 4.7: Element (1,1) of matrix \mathbf{A} is -0.4158 (instead of 0.4158).

Page 223: Example 5.4, Eq. (5.12) should read:

$$\mathbf{A} = \begin{pmatrix} 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{pmatrix}; \quad \mathbf{B} = \begin{pmatrix} 1 \\ 2 \\ -1 \\ 1 \end{pmatrix} \quad (5.12)$$

Page 224, Eq. (5.14) should read:

$$z_1^{(1)}(t) = z_1(t) + 3u(t) \quad (5.14a)$$

$$z_2^{(1)}(t) = -z_2(t) - u(t) \quad (5.14b)$$

Page 230. Eq. (5.35) should read:

$$\lambda_{1,2} = -0.5(K_1 - K_2 + 1) \pm 0.5(K_1^2 + K_2^2 - 2K_1K_2 - 7K_1 - 5K_2 + 9)^{1/2} = -0.5 \pm i \quad (5.35)$$

Page 231: Last rows of matrices \mathbf{A} and \mathbf{B} in Eq. (5.37) and \mathbf{A}_{CL} in Eq. (5.40) are superfluous, and should be disregarded.

Page 232, before Eq. (5.51): The statement should read “You can easily show that \mathbf{P}' is the inverse of the following *upper triangular* matrix ...”

$$\mathbf{P}' = \begin{pmatrix} 1 & a_{n-1} & a_{n-2} & \dots & a_2 & a_1 \\ 0 & 1 & a_{n-1} & \dots & a_3 & a_2 \\ 0 & 0 & 1 & \dots & a_4 & a_3 \\ \dots & \dots & \dots & \dots & \dots & \dots \\ 0 & 0 & 0 & \dots & 1 & a_{n-1} \\ 0 & 0 & 0 & \dots & 0 & 1 \end{pmatrix}^{-1} \quad (5.51)$$

Page 233, after Eq. (5.51): The statement should read “Also note from Eq.(5.51) that the determinant of $(\mathbf{P}')^{-1}$ (as well as of \mathbf{P}') is unity, and that \mathbf{P}' is also an upper triangular matrix. Substituting Eq.(5.50) ...”

Page 451, last paragraph: The statement should read `>>w=freq(1:2:6) <enter>`

Page 452: The corrected Figure 9.4 obtained by *Simulink* Runge-Kutta 4(5) solver with relative tolerance 0.001 is the following (the simulation by *lsim* of *MATLAB* v6.0 in the book is inaccurate for this example):

