

ERRATA for A Linear Systems Primer

Pages 44 and 72. In Equation 2.44, $B(j)$ should be **B**

Page 62, in the second to last equation, the expansion of the sum $a^n \frac{1 - 1^{-(n+1)}}{1 - a^{-1}}$ should be $a^n \frac{1 - a^{-(n+1)}}{1 - a^{-1}}$

Page 118 in equation 3.120 $x(t_{k+1}) = \Phi(t_{k+1}, t_k) \dots$ should be $x(t_{k+1}) = \Phi(t_{k+1}, t_k) \dots$

Page 128, the first equation on the page ends with $\dots \int Bu(s) ds$ and it should be $\dots \int Bu(s) ds$

Page 145 in Definition 4.8, in the exponent of the exponential bound should be a negative sign
 $\dots \leq \epsilon e^{-\alpha t}$

Page 175 in example 4.41, $x_{e2} = 1$ should be $x_{e2} = 2$

Page 180, in the derivation of equation 4.75 $-x^T C x$ should be $x^T C x$

Page 246, top for the controllability matrix, **C** script font should be used.

Page 269, equation 6.15 should be $\hat{C} = CQ = [C \ 1 \ 0]$

Page 333, in the definition of matrix A_j , the typesetting reads as $I_{d_{j-1}}$ and it should be $I_{d_j - 1}$

Page 345, in the first bullet there is parenthesis **)** missing after the **A**.

Page 368, in Remark 4, entry (2,1) of **F** should be **-2** instead of 2.

Page 387, equation 9.75 should be $C \in \mathbb{R}^{p \times n}$

Page 493, In Theorem A.37 should be $U \in \mathbb{C}^{m \times m}$

NOTE Thanks to D. Jackson Peacock who read the book very carefully and pointed out to us the above errata.