

Errata List

Please email error reports to shuxiatang.control@gmail.com.

1. Delete the sentence before Lemma 1, and put Lemma 1 including the proof after the 1st paragraph of Section 4.
2. Section 4: Change the sentence before (37) to “Assume that the pair

$$\left(A \int_0^l (0 \ C) e^{-J\xi} d\xi \cdot e^{Jl} \begin{pmatrix} I \\ 0 \end{pmatrix} L^{-1} \right)$$

is observable, then construct an observer with Dirichlet actuation of the following form”.

3. Change the last equation on Page 2143 to

$$X(t) = e^{At}X(0) + \int_0^t e^{A(t-\tau)}Bu(0, \tau)d\tau$$

and change the first equation on Page 2144 to

$$u_t(x, t) = u_{xx}(x, t) + C \left(e^{At}X(0) + \int_0^t e^{A(t-\tau)}Bu(0, \tau)d\tau \right)$$

4. Change the equation (34) to

$$X(t) = e^{(A+BK)t}X(0) + \int_0^t e^{(A+BK)(t-\tau)}Bw(0, \tau)d\tau$$

5. Change the “Agmon’s” on the 4th last line of Page 2148 to “Young’s”.