Model Predictive Control: Theory, Computation, and Design
2nd Edition

Errata for Second Edition, First Printing

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June 28, 2018

1. Page 52, Figure 1.6. Change L_x and L_d to $\widetilde{L}_x$ and $\widetilde{L}_d$, respectively, in the figure, and add the following sentence to the caption, "For simplicity we show the steady-state Kalman predictor form of the state estimator where $\hat{x} := \hat{x}(k \mid k-1)$ and $\widetilde{L}_x := AL_x + B_d L_d$ and $\widetilde{L}_d := L_d$." Thanks to Pratyush Kumar and Travis Arnold of UW for pointing out this erratum.
2. Page 114, Assumption 2.14 (a). Change $\ell(x,u)r$ to $\ell(x,u)$ in the last inequality.
3. Page 366, Exercise 5.5. Change $d_H(\mathbb{A} \oplus \mathbb{C}, \mathbb{B} \oplus \mathbb{C}) = d_H(\mathbb{A}, \mathbb{B})$ to $d_H(\mathbb{A} \oplus \mathbb{C}, \mathbb{B} \oplus \mathbb{C}) \leq d_H(\mathbb{A}, \mathbb{B})$. Thanks to Dr. Saša V. Raković for pointing out this erratum.
4. Page 366, Exercise 5.5. Delete the phrase, "satisfying $\mathbb{B} \subseteq \mathbb{A}$."
5. Page 366, Exercise 5.6. Delete the phrase, "satisfying $\mathbb{A} \subseteq \mathbb{B}$."
6. Page 366, Exercise 5.8. Replace $+$ with $\oplus$ (two places).
7. Page 329, Exercise 4.7, 3rd line. Change, "let $\gamma(\cdot)$ be any $\mathcal{K}$ function," to "let $\gamma(\cdot)$ be any $\mathcal{K}$ function and $a_i \in \mathbb{R}_{\geq 0}, i \in \mathbb{I}_{1:n}$."
8. Page 527, 5 lines from bottom. Change "plus n forward sweeps," to "plus m forward sweeps."