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

Errata for Second Edition, Seventh Printing

Check `www.chemengr.ucsb.edu/~jbraw/mpc` for a current list

November 17, 2026

1. None yet.

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Other Changes from the Second Edition, sixth printing to seventh printing

November 17, 2026

1. All figures in the text and solution manual are drawn with matplotlib instead of gnuplot starting with this printing. Together with the sixth printing, in which the numerical computation moved from Octave to Python, this completes the move to Python: the text and solution manual are now built with neither gnuplot nor Octave. Every figure was regenerated and compared against the sixth printing. Only the drawing changed; no numerical result was altered.
2. Figures 6.2 and 6.3. The $y_2 = 1$ label is moved clear of the dashed constraint line.
3. Figures 6.7, 6.8, and 6.10. The axes box now meets the ends of the contours, which the previous padding left short.
4. Page 72, Exercise 1.33(a), displayed objective. The measurement term now sums through $y(T-1)$, the data used by the predictor form of the estimator.
5. Page 326, Exercise 4.19. The intended assumptions, (A, C) detectable, (A, G) stabilizable, $Q > 0$, $R > 0$, and $P^{-}(0) \geq 0$, are now stated in the exercise.
6. Page 481, Exercises 7.9 and 7.10. `solvempqp.m` is changed to `solvempqp.py` in both places.