Plan of the Lecture

- ► Review: transient response specs (rise time, overshoot, settling time)
- ► Today's topic: effect of zeros and extra poles; Routh-Hurwitz stability criterion

Goal: understand the effect of zeros and high-order poles on the shape of transient response; discuss relation with stability; formulate and learn how to apply the Routh–Hurwtiz stability criterion.

Reading: FPE, Sections 3.5–3.6