

Plan of the Lecture

- ▶ **Review:** stability; Routh–Hurwitz criterion
- ▶ **Today's topic:** basic properties and benefits of feedback control

Goal: understand the difference between open-loop and closed-loop (feedback) control; examine the benefits of feedback: reference tracking and disturbance rejection; reduction of sensitivity to parameter variations; improvement of time response.

Reading: FPE, Section 4.1; lab manual