

Plan of the Lecture

- ▶ **Review:** basic properties and benefits of feedback control
- ▶ **Today's topic:** introduction to Proportional-Integral-Derivative (PID) control

Goal: study basic features and capabilities of PID control (industry standard since 1950's): arbitrary pole placement; reference tracking; disturbance rejection

Reading: FPE, Sections 4.1–4.3; lab manual