

Plan of the Lecture

- ▶ **Review:** Proportional-Integral-Derivative (PID) control
- ▶ **Today's topic:** introduction to Root Locus design method

Goal: introduce the Root Locus method as a way of visualizing the locations of closed-loop poles of a given system as some parameter is varied.

Reading: FPE, Chapter 5

Note!! The way I teach the Root Locus differs a bit from what the textbook does (good news: it is simpler). Still, **pay attention in class!!**