

EE 105 **Feedback control systems**

Adding derivative control

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By the end of class today, you should be able to:

- Give examples of feedback control systems
- Describe the parameters of interest
- Define "linear system" and identify systems as linear or non-linear
- Sketch the general form of an LTI system

Tracking poles

Parts 1, 2, and 3 on the worksheet

Responding to a step

Derivative control

Proportional-integral (PI) control

PID controller