

# Today (12/9/05)

- **Today (last class, yea!)**
  - **Modification of project spec**
  - **Disturbance rejection discussion**
  - **Command input shaping**
  - **Lab testing tomorrow and Sunday in CII 8208.**

# Project Spec

- Tracking frequency at 0.1Hz and amplitude of  $\pi/30$ .
- Step amplitude  $\pi/4$ .

# Disturbance Rejection

- **Tracking requires high loop gain.**
- **Sensor noise rejection requires roll off.**

# Command Input Shaping

- **Instead of step input, use a smooth input (e.g., cubic polynomial).**