



# MEEG 311 – Lecture 19

## Vibration and Control

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### **Goals:**

- Steady-state response with and without disturbances:
  - Error signal and its steady-state value via the Final Value Theorem (FVT)
  - P controller with step reference and disturbance inputs
  - PD controller with step reference and disturbance inputs
- PI controller design:
  - Steady-state error attenuation
  - Stability effects