



MEEG 311 – Lecture 17

Vibration and Control

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Goals:

- Example: Position control of a field-controlled DC motor (cont'd)
- Proportional (P) control
 - Some ability to locate poles
 - Stability
 - Some ability to satisfy transient response specifications
- Proportional/Derivative (PD) control
 - Enhanced ability to locate poles
 - Stability
 - Enhanced ability to satisfy stricter transient response specifications due to the existence of two gains that can be selected independently.