ME 4232: FLUID POWER CONTROLS LAB

Class #15
Course Review 2
Notes

• Final Exam: May 16, 1:30 pm – 3:30 pm, ME102
  – Alternate Time: May 16, 11:30 am – 1:30 pm, ME321

• Office Hours:
  – Today: 1:15-2:00
  – Tuesday: 10:30-11:30
  – Thursday: 1:00-2:00

• Lab 22: Force Control Integrated Lab
  – Due at Final Exam
Agenda

Course Review:

• Components/Circuits
  – Hydraulic Circuits & Power Calcs
  – Example

• Controls Review
  – Plant Model Development
  – Controller Design
  – Example
Hydraulic Components

- Needle Valve

- Pressure Compensated Flow Control (PCFC) Valve
Hydraulic Components

• Relief Valve
Hydraulic Components

- Pressure Reducing Valve

- Check Valve
Hydraulic Components

• Directional Control Valve

• Servo Valve
Hydraulic Components

- Pump / Motor
- Linear Actuator
- Rotary Actuator
Circuits