

Last Time

- Finite State Machines in code
- Project 4

Today

- More project 4

Homework 4 due tonight @ 5:00

Project 4

Option 2

- FSM implementation
- FSM-based control
- Implementing trajectory generators for throttle and heading

Project 4

Option 1

- Height sensing
 - FSMs implementation in ISRs
 - Triggering the sonar
 - Reading out the return time
 - Estimating the distance
- Height control
 - “Integration” controller

Project 4 Exercise

Option 1

- What is the FSM? (states, events, outputs)
- How is the FSM implemented in the ISR?

Option 2

- Sketch the FSM implementation in code
 - Section of code for each state
 - How are the events detected?