

# EECS 106B/206B

## Discussion 14

GSI: Valmik Prabhu



# Action Items

- Lab 2 late deadline tonight
- HW 4 due this sunday
- Office hour schedule change:
  - Valmik's OH Monday 4-5, Weds 12-1
  - Chris' OH Thursday 1:30-3:30
- Project Proposals due 3/22. More info forthcoming
  - Very broad. Must involve at least one of: sensing, actuation, or control
  - Must involve hardware, either IRL or in simulation (discouraged)
  - Must be research-based. You'll need to find papers backing up your proposal
- Valmik is sick :( lab further delayed
  - Due date will 100% be extended past spring break. Likely friday.

# Lab 3

- Steering and control of nonholonomic “bicycle” robots
- Turtlebots + Turtlesim
- Tasks:
  - Develop a closed-loop controller on the Lie algebra of a car
  - Implement Murray + Sastry’s steering with sinusoids algorithm (open-loop control)
  - Grad Students: Develop a closed loop controller on the steering with sinusoids algorithm