Lecture 21: Electrical Stiffness & Comb Drive

- · Announcements:
- · Module 12 on Capacitive Transducers online
- · HW#6 online and due Tuesday, April 17
- · Project Slide Set #1 due Friday, April 13
- -----
- · Reading: Senturia, Chpt. 5, Chpt. 6
- · Lecture Topics:
 - \$ Energy Conserving Transducers
 - -Charge Control
 - -Voltage Control
 - ♦ Parallel-Plate Capacitive Transducers
 - —Linearizing Capacitive Actuators
 - -Electrical Stiffness
 - \$ Electrostatic Comb-Drive
 - -1st Order Analysis
 - -2nd Order Analysis
- · -----
- · Last Time:
- · Linearizing capacitive transducers
- · Continue with this

















