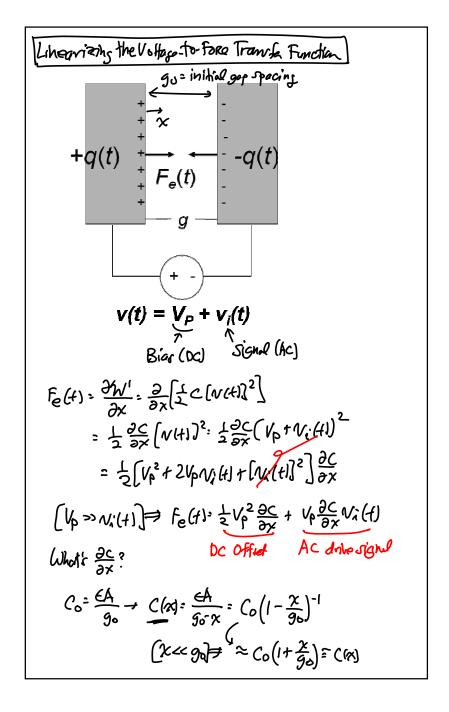
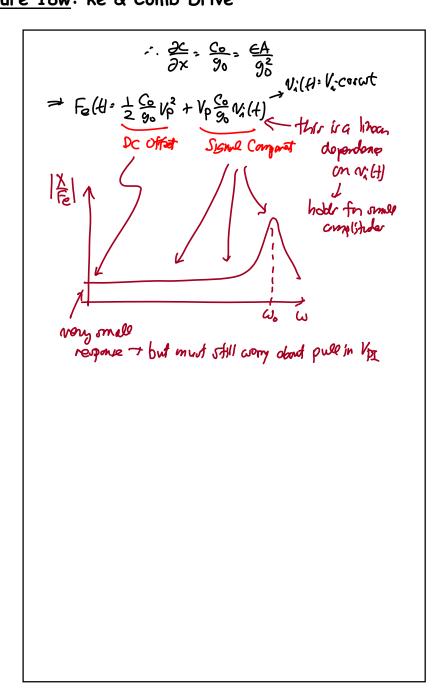
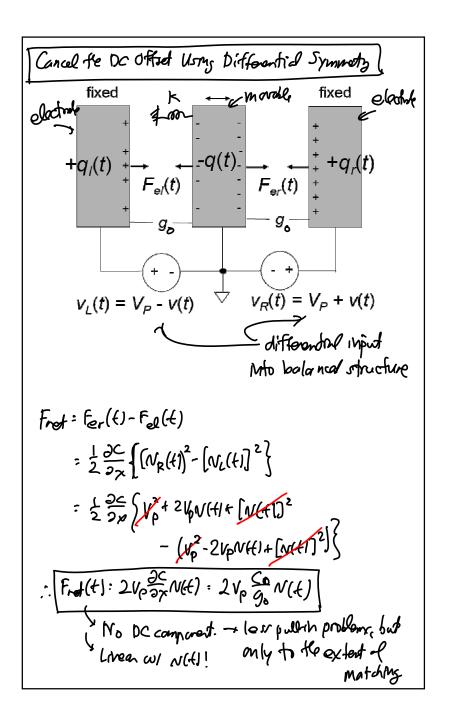
Lecture 18: ke and Comb Drive

- · Announcements:
- · HW#5 online; due Wednesday, April 15
- · Project slide #1 due Friday, April 10
- I will be on travel next week; will either record lectures or do make-up lectures next Friday
- · Will announce via Piazza
- -----
- · Reading: Senturia, Chpt. 5, Chpt. 6
- · Lecture Topics:
 - \$ Energy Conserving Transducers
 - -Charge Control
 - -Voltage Control
 - ♦ Parallel-Plate Capacitive Transducers
 - -Linearizing Capacitive Actuators
 - -Electrical Stiffness
 - - -1st Order Analysis
 - -2nd Order Analysis
- . -----
- · Last Time:
- Looking at methods for linearizing the voltage-toforce transfer function of a parallel-plate capacitive-gap transducer

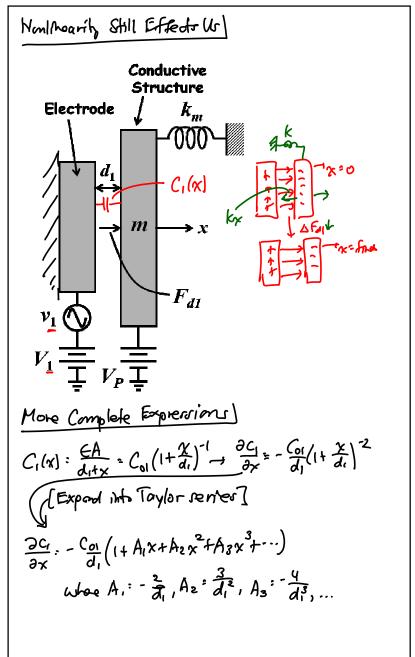


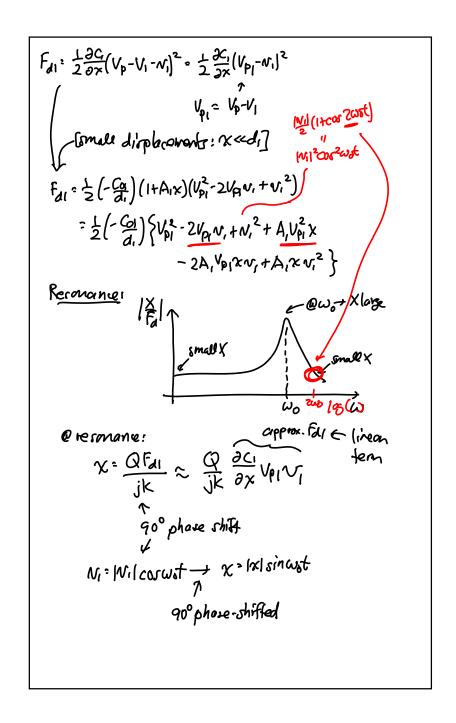


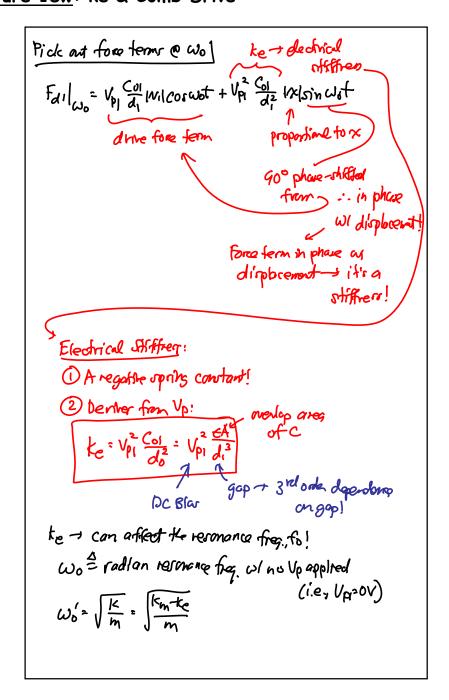


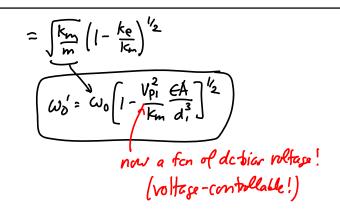


Lecture 18w: ke & Comb Drive









· Go through Module 12 slides 26-35

