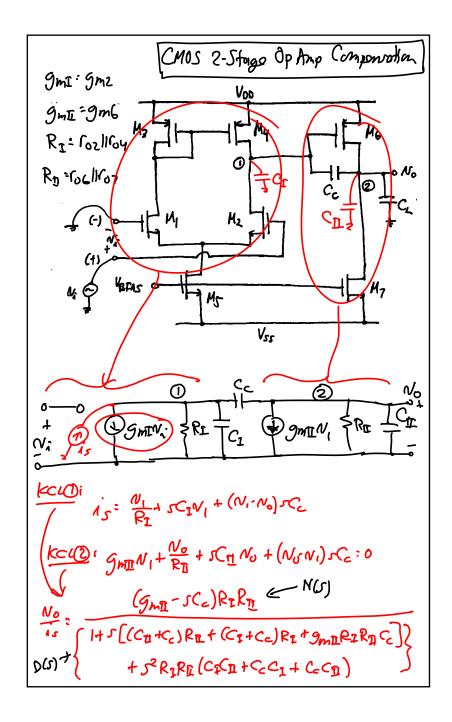
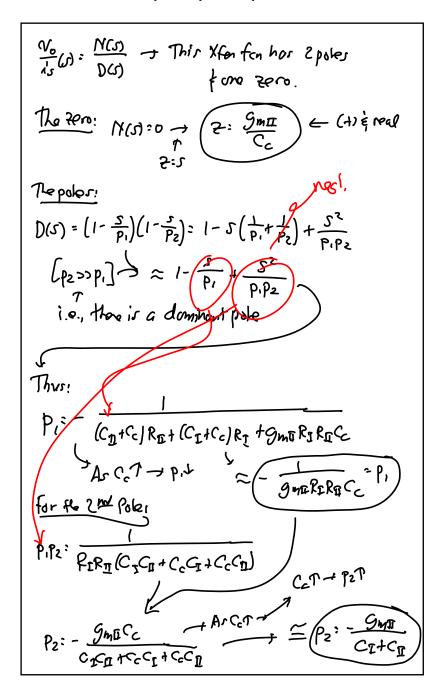
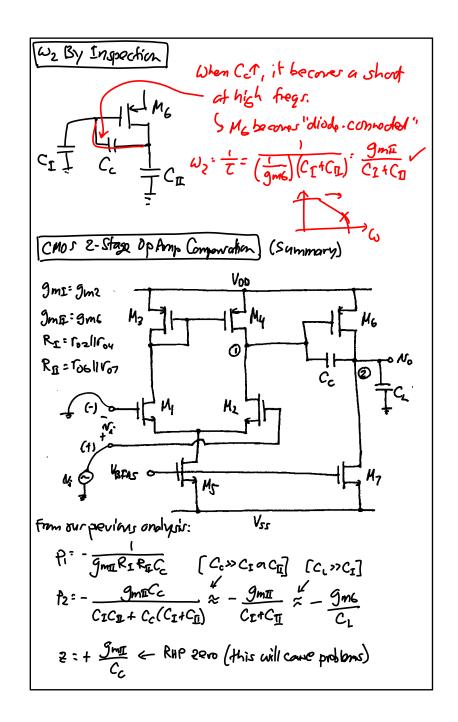
Lecture 22: CMOS Op Amp Compensation

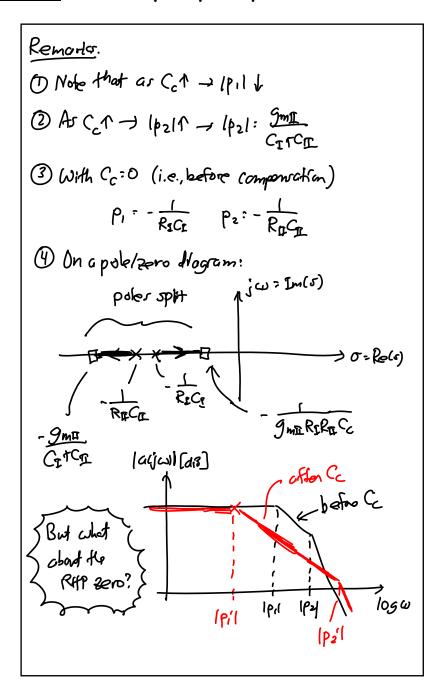
- · Announcements:
- This lecture will be 2 hours (3rd lecture to make up for missing Tuesday)
- · As mentioned, I unfortunately need to miss the Thursday lecture
- So next three lectures will also be 2 hours, with video of at least the last half hour posted online
- · Design Project Checkpoint:
 - \$ Due Monday, April 22, 11:59 p.m.
 - Send to your TA a spice file for your op amp design that simulates correctly, i.e., that reaches a stable bias point where all transistors are saturated (or linear if an MOS resistor)
 - ♥ It doesn't need to meet the project specs, but
 it should simulate correctly
- · Lecture Topics:
 - Review of Pole-Zero Plots
 - Practical CMOS Op Amp Compensation
 - ♥ Nulling the RHP Zero
- -----
- · Last Time:
- Brute force analyzed a two-stage CMOS op amp
- · Continue with this now ...

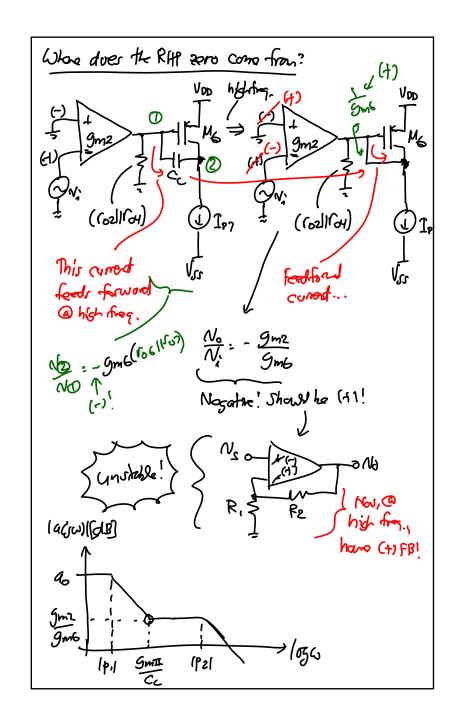


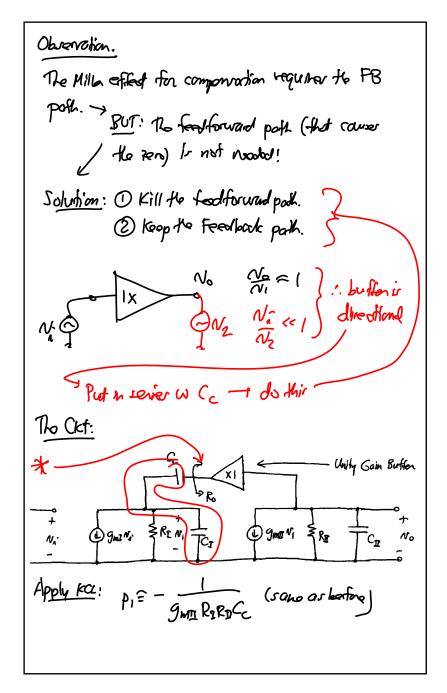




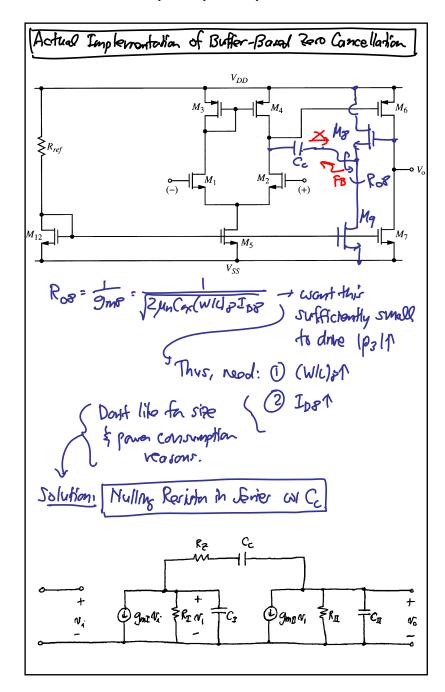


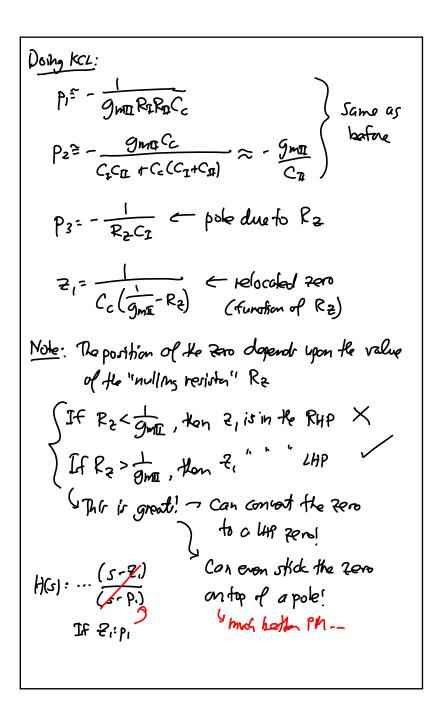






EE 140/240A: Analog Integrated Circuits Lecture 22w: CMOS Op Amp Compensation





EE 140/240A: Analog Integrated Circuits
Lecture 22w: CMOS Op Amp Compensation

