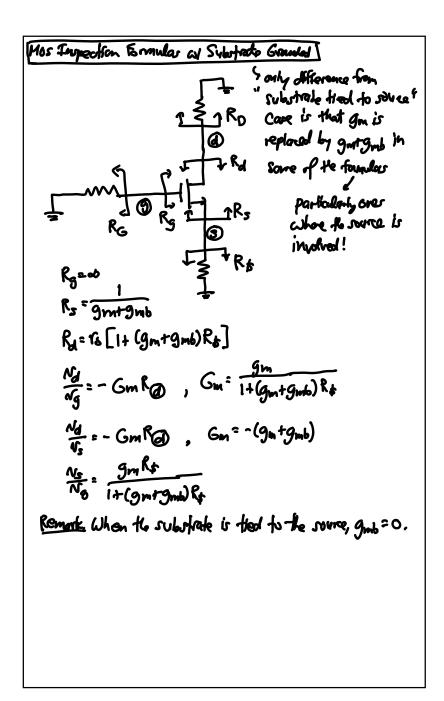
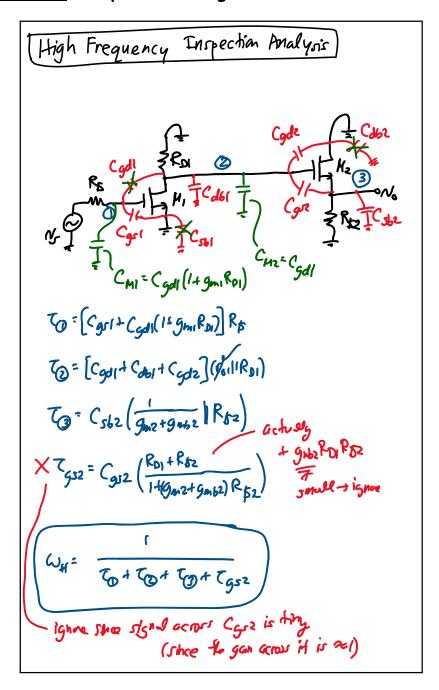
Lecture 33w: Purposeful Design

Lecture 33: Purposeful Design

- · Announcements:
- · HW#10 online and due Friday Nov. 22
- · Lab 6 online and due 5 p.m., Friday, Dec. 13
- · Graded Midterm 2 coming back today w/ solutions
- -----
- · Lecture Topics:
 - **♥ MOS Inspection Analysis**
 - -High Frequency
 - Surposeful Design
 - Scascode Amplifier
- -----
- · Last Time:
- · Did midband MOS inspection analysis
- · Now, continue w/ high frequency analysis ...
- \cdot Then, consider design with a purpose
 - ♦ Very much needed for your Lab#6

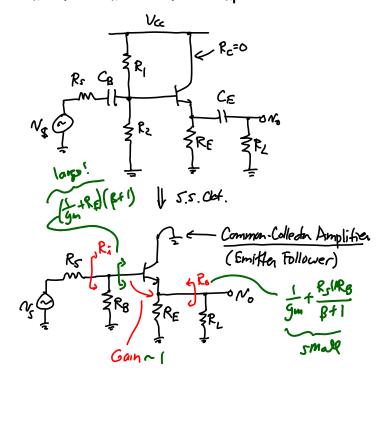


Lecture 33w: Purposeful Design



Popular Amplifier Configurations -> Byilding Blacks

- By merely altering the placements of input/output signals and bypass/coupling capacitors, one can realize many amplifier configurations
- · Some of the most useful examples:



Lecture 33w: Purposeful Design

