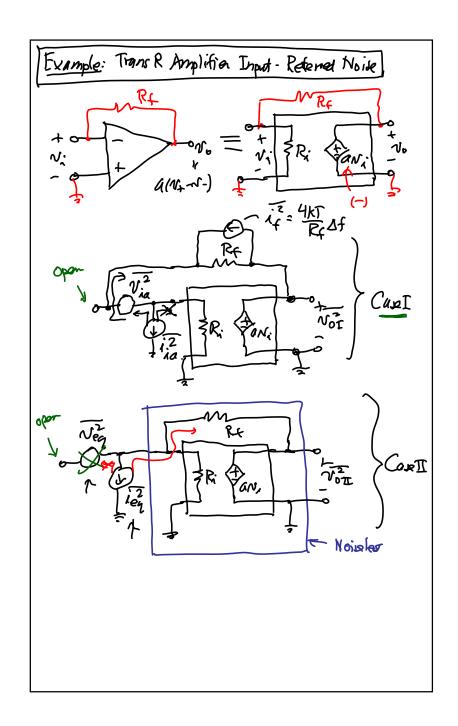
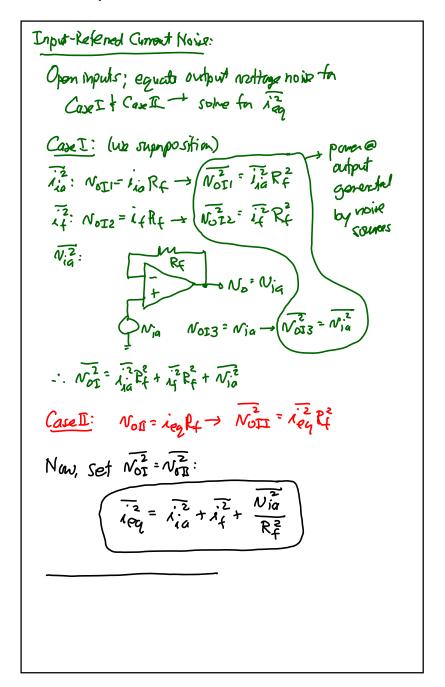
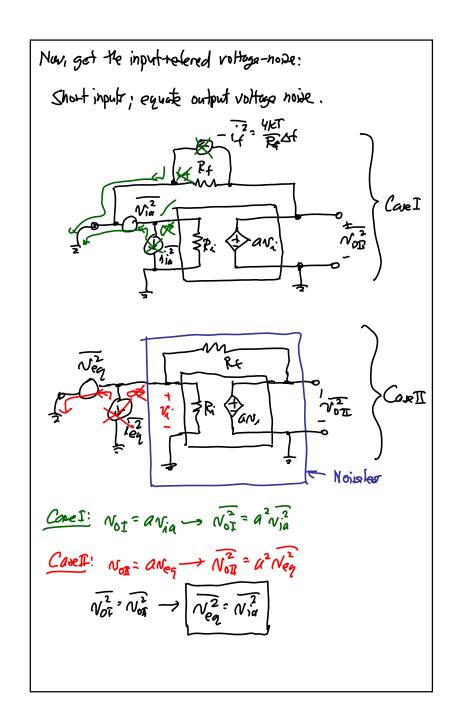
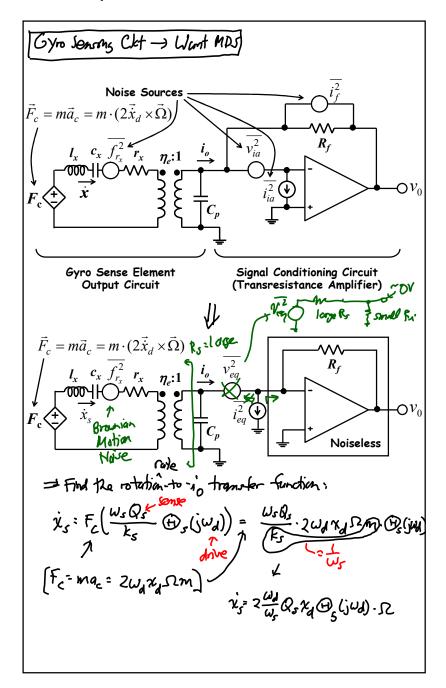
## Lecture 27: Gyro Minimum Detectable Signal (MDS)

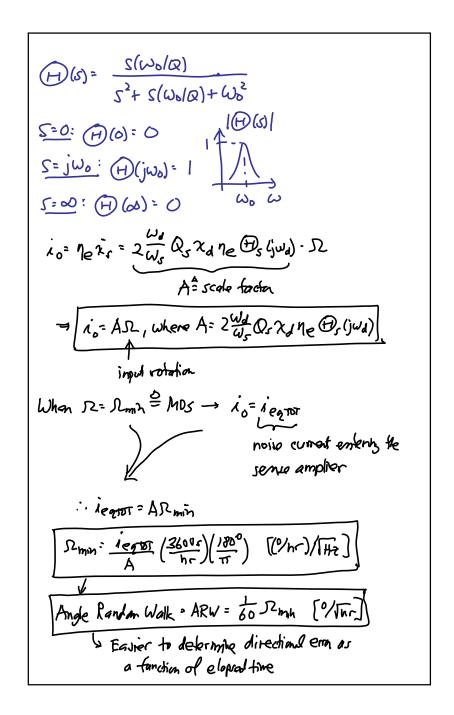
- · Announcements:
- · This is our last lecture
- HW#7 online since Tuesday and due Friday, May 4, 10 a.m.
- Project slide #3 due Friday, April 27
- Project outbrief sign up sheet will be on Prof.
  Nguyen's office door later today
  - Slots will be on Monday and Tuesday of Finals week
- · Old Final Exams passed out
- · Final Exam Info Sheet will be online
- Review Session at a time and location TBD
- . -----
- · Reading: Senturia Chpt. 16
- · Lecture Topics:
  - ⋄ Minimum Detectable Signal
  - ♥ Noise
    - -Circuit Noise Calculations
    - -Noise Sources
    - -Equivalent Input-Referred Noise
  - \$ Gyro MDS
    - -Equivalent Noise Circuit
    - -Example ARW Determination
  - ♥ Course Wrap Up (Final Exam Info)
- -----
- · Last Time:
- · Going through input referred noise
- · Now, continue with this











- · Go through slides 45-49 in Module 17
- Related courses at UC Berkeley:
  - \$EE 143: Microfabrication Technology
  - \$EE 147/247A: Introduction to MEMS
  - ME 119: Introduction to MEMS (mainly fabrication)
  - BioEng 121: Introduction to Micro and Nano Biotechnology and BioMEMS
  - ♦ ME C219 EE C246: MEMS Design
  - **♥ EE 290M?**