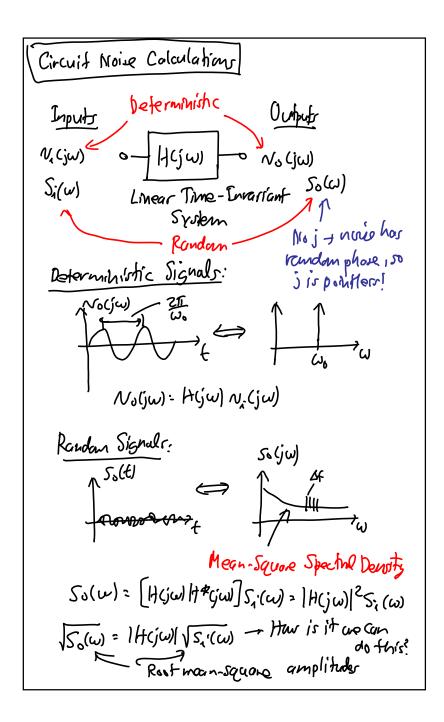
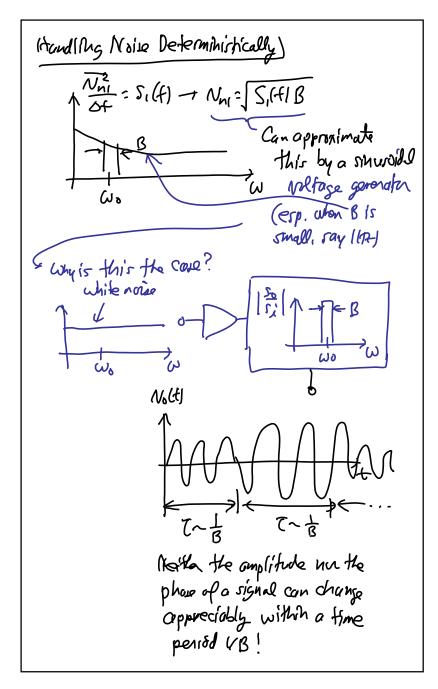
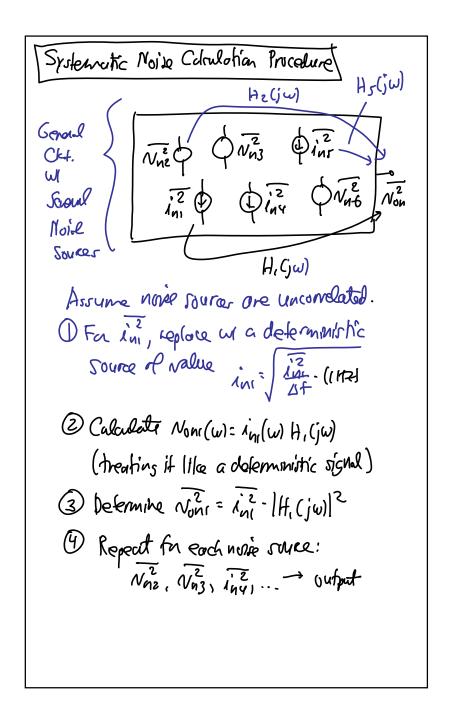
- · Announcements:
- This is a recorded lecture, since I am presently on travel
- HW#7 online since Tuesday and due Friday, May
   4, 10 a.m.
- · Project slide #3 due Friday, April 27
- Project outbrief sign up sheet will be on Prof.
   Nguyen's office door this coming Thursday
  - Slots will be on Monday and Tuesday of Finals week
- -----
- · 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
- -----
- Last Time:
- Finished MEMS/transistor integration
- Now, move on to noise starting with Module 17, slides 1-7







Show note power (wear-square valuer)

$$N_{ONTOT}^2 = N_{ON1}^2 + N_{ON2}^2 + N_{ON3}^2 + N_{ON4}^2 + \cdots$$
 $N_{ONTOT} = \sqrt{N_{ON1}} + N_{ON2} + N_{ON3}^2 + N_{ON4}^2 + \cdots$ 
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