<u>EE C247B/ME C218</u>: Introduction to MEMS Design <u>Lecture 27w</u>: Gyro Minimum Detectable Signal

Lecture 27: Gyro Minimum Detectible Signal

- · Announcements:
- · HW#7 online and due Friday, 5/10, at 9 a.m.
- · Module 17 is online (on Noise and MDS)
- · Project outbrief scheduling done
 - \$ Everyone has received a calendar invite
- · Final Exam Info Sheet online
 - ♥Will go through this in class
 - Shalso pass out some old Final Exam solutions
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- · 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
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- · Last Time:
- Did an example noise calculation and started into gyro MDS ... now continue with this









