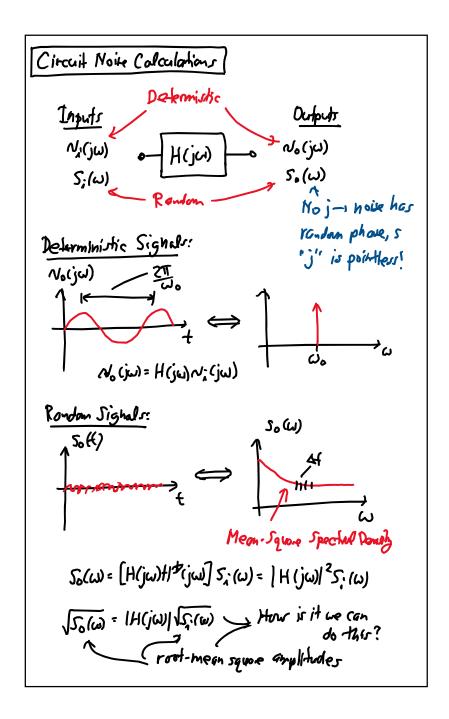
Lecture 25w: Noise

Lecture 25: Noise Announcements: Project Slide Set #3 due Friday, April 26 HW#7 online and due Friday, 5/10, at 9 a.m. · Module 16 on Sensing Circuit Non-Idealities & Integration online Module 17 is online (on Noise and MDS) First 15 minutes of class were for HKN to go over course evaluation procedures Reading: Senturia Chpt. 14, 15 · Lecture Topics: ♦ Op Amp Non-Idealities **MEMS-Transistor Integration** -Mixed -MEMS-First -MEMS-Last 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:



Going through MEMS/transistor integration

Lecture 25w: Noise

