

Lecture 25: Noise II

- Announcements:
- HW#6 online and due Friday, 5/1, at 8 a.m.
- Module 17 on "Noise and MDS" is online
- Project Out-Briefs will be during RRR week
- Will send around Project Out-Brief signup form

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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

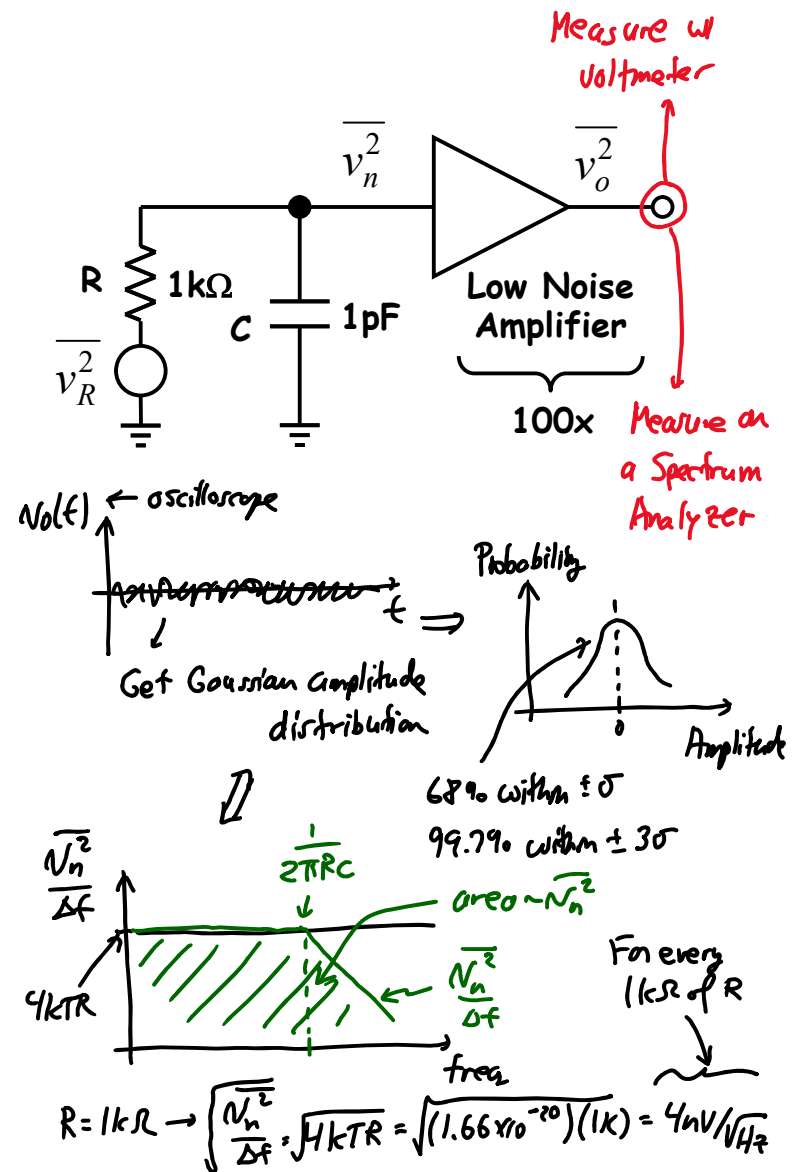
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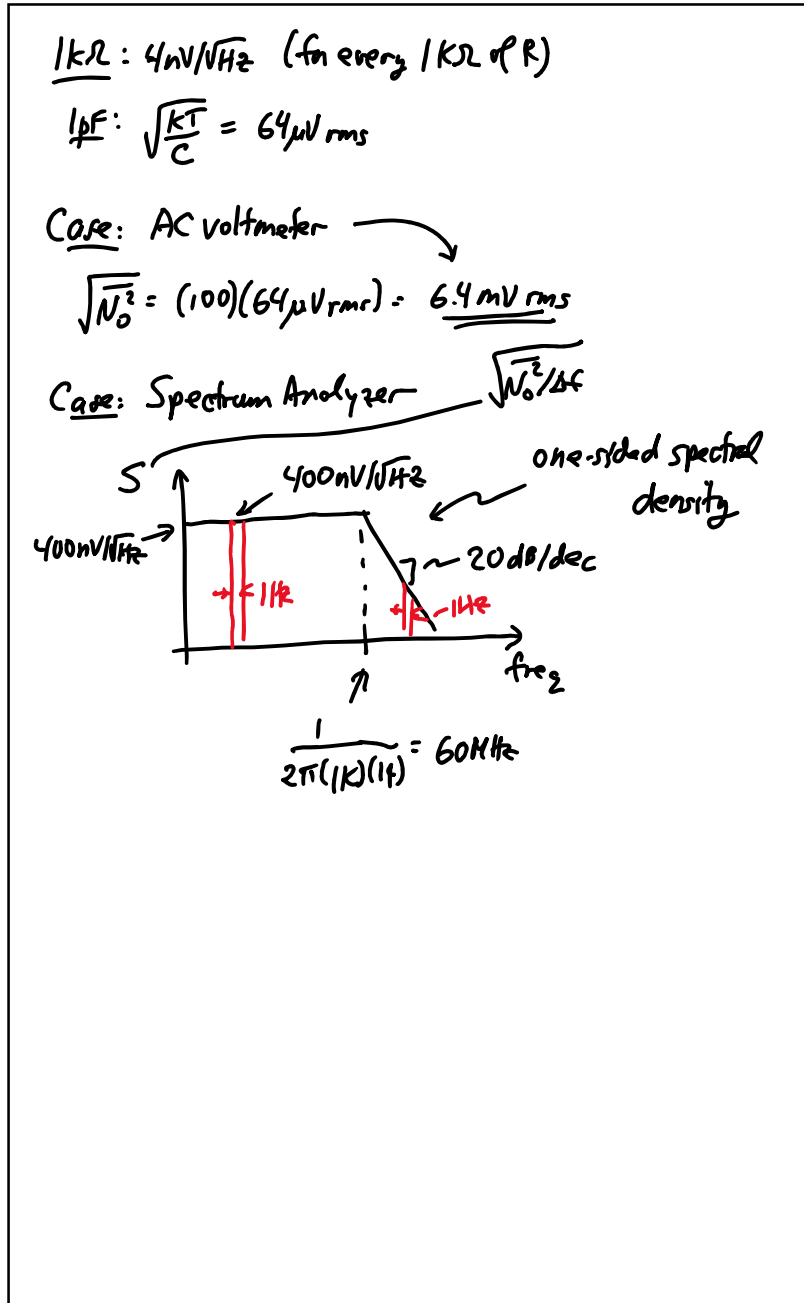
• Last Time:

• Going through noise sources in Module 17

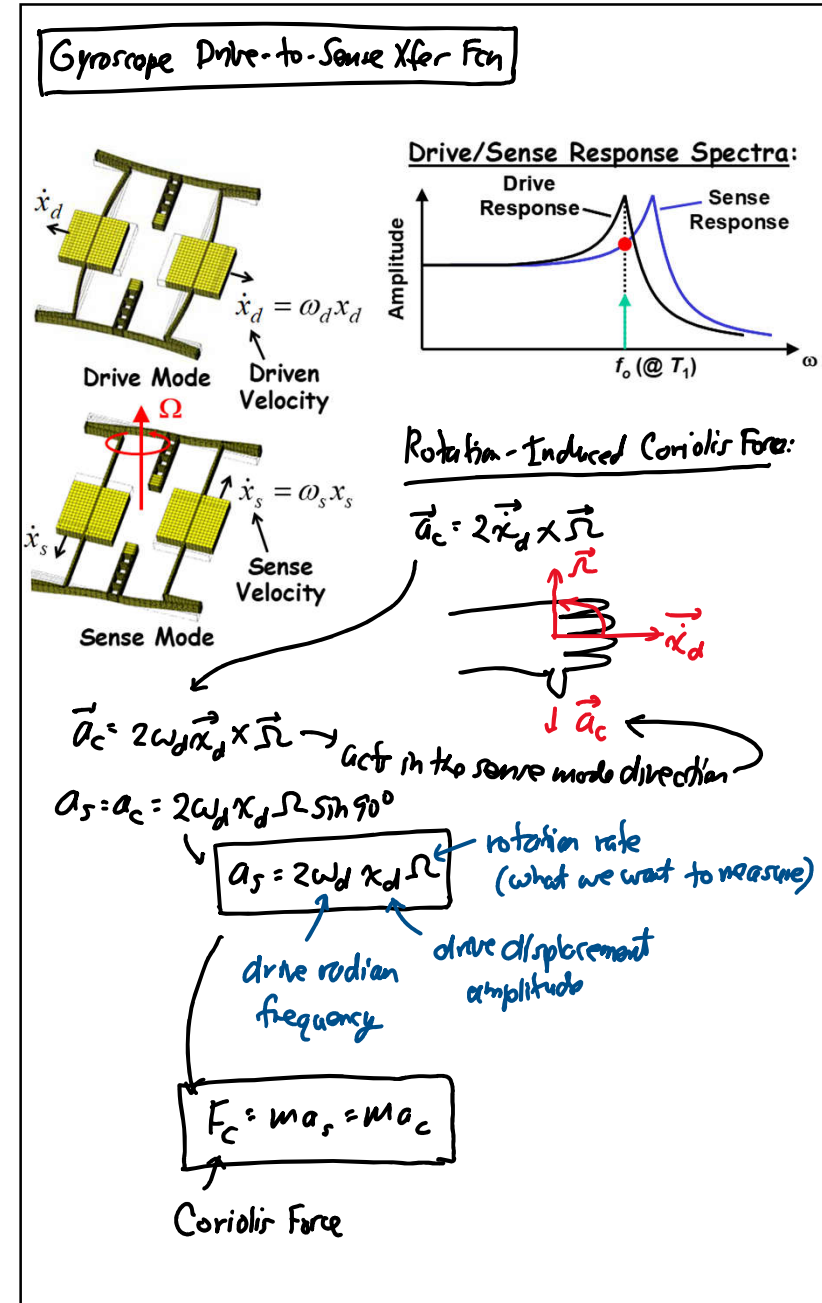
• Now continue with this ...

Example. Typical Noise Number in Measurement





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