

# Slide Idea

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## Review EM Basics

EMF

Magnetic Field Generation through Current Carrying Wires/Solenoids

Electromagnetic Induction

Biot-Savart Law

Rotational EMF

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## Introduce Helmholtz Coils

helpful link

What it is

What its used for

Equation showing how the BField varies in this system

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## Experiments

The Set Up

The Issue of Stroboscope and Sam's ingenious resolution

EMF vs R: Data and Interpretation

EMF vs  $R^2$ : Data and Interpretation

EMF vs B: Data and Interpretation

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Plans for the week/next week

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