PHYS2600J Recitation Class 2 Week 7

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Basics of Magnetostatics

- The Lorentz Force Law
- The Biot-Savart Law
- Ampère's Law
- Magnetic Vector Potential

Basics of Electrodynamics

- Electromotive Force
- Electromagnetic Induction
- Maxwell's Equations

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Exercise 1|Ball with Charges

Exercise 2 Jumping Ring & Magnetic Mirror

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Exercise 3 Cylinder with Charges

Thanks for listening!

References



D. J. Griffiths.

Introduction to Electrodynamics.

Cambridge University Press, 5 edition, 2023.

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