PHYS2600J Recitation Class 1 Week 3

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Basics of Vector Analysis

- Vector Algebra
- Differential Calculus
- Integral Calculus
- Coordinates
- Theory of Vector Fields

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Basics of Electrostatics

- Coulomb's Law
- Gauss's Law
- Electric Potential
- Electrostatic Energy
- Conductors

Exercise 1|Superposition Principle

Appendix 00

Appendix 00

Exercise 2|Gauss's Law & Flux

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Exercise 3 Potential & Energy

Thanks for listening!

References



D. J. Griffiths.

Introduction to Electrodynamics.

Cambridge University Press, 5 edition, 2023.

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