

Intermediate Electricity and Magnetism

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Last Lecture in bullets..

- Boundary conditions between two regions
- Conservation of charge
- Conservation of energy

Today:

- Conservation of momentum
- Conservation of angular momentum

**Main reference for now: Griffith's
Introduction to Electrodynamics (3rd ed.)
Chapter 8**

Closing Remarks

- We will take a recess, and resume on 13 Sha'ban, in sha'a Allah; probably at a rate of three lectures per week.
- Please make sure you have submitted all your dues, before the 13th of Sha'ban, including the homework that will soon be published.
- Let me know if you like to join the Reading Group

Where are we heading?

- Maxwell's equations
- Conservation (of charge, energy and momentum)
- Electromagnetic waves
- Wave guides
- Fields and potentials in electrodynamics
- Radiation.. [and more..]
- We will ultimately need to come back and study subjects that we continue to skip