PHY-505 : Classical Electrodynamics 1

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Outline

1. Vector Calculus
2. EM review
3. Electrostatics
4. Magnetostatics
5. Multipole Analysis
6. Green’s Functions
7. F in medium
8. B in medium
9. EM waves in vacuum/matter

Reference Material

J.D. Jackson, Classical Electrodynamics, Ed. Wiley

Grade

The grade will be : Hw (33%) + Mid (33%) + Fin (33%)

Grader

TBA