

PHY-505 : Classical Electrodynamics I

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Outline

1. EM review
2. Electrostatics
3. Magnetostatics
4. Multipole Analysis
5. Green's Functions
6. E,B in medium
7. EM waves in medium
8. Special Relativity

Reference Material

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

L. Landau and E. Lifshitz, The Classical Theory of Fields, Ed. Elsevier.

Grade

The grade will be : Hw (1/3) + Mid (1/3) + Fin (1/3)

Grader

Wolfger Peelars