

PHY-505 : Classical Electrodynamics

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Outline

1. Special Relativity
2. Maxwell Equations
3. E, B in vacuum
4. E, B in medium
5. Waves in media
6. Plasma physics
7. Scattering
8. Radiation
9. Energy loss
10. Bremsstrahlung

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 (1/5) + Mid (2/5) + Fin (2/5)

Grader

TBA