

Class 8 - Relation ray-wave optics, interference of two waves, interferometers

Learning Objectives of this class:

- Identify the relationship between Ray and Wave Optics
- Identify the procedure to estimate the wavefunction of an arbitrary wave using the Eikonal equation
- Understand optical interference phenomenon as the summation of the complex amplitude distributions of the interfering waves.
- Express the total intensity distribution of two interfering waves based on their phase difference
- Distinguish constructive and destructive interference
- Deduce the condition between two interference waves to form constructive and destructive interference



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