

Class 10 - Gaussian beam- features and mathematical description

Learning Objectives of this class:

- Describe the features of a Gaussian beam.
- Define the q parameter of a Gaussian beam
- Identify the observation plane and the Rayleigh range from the q parameter
- Define the radius of curvature and beam width of a Gaussian beam
- Determine the observation plane and the beam waist from the radius of curvature and beam width of a Gaussian beam.
- Describe the complex amplitude distribution and its irradiance distribution of a Gaussian beam.



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