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by Yury A...

Geometrical optics, or ray optics, is a model of optics that describes light propagation in terms of rays. The ray in geometric optics is an abstraction useful for approximating the paths along which light propagates under certain circumstances.. The

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Simplifying assumptions of geometrical optics include that light rays propagate in straight-line paths as they travel in a homogeneous medium

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dropped in still water, the circular wave fronts that are produced move out from the contact point over the two dimensional surface. A light source emits light uniformly in all directions of the three dimensional world. The wave fronts are spherical,

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and the direction of motion of the wave is perpendicular to the wave front, as depicted in Figure .

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Geometrical optics,
or ray optics, is a
model of optics that
describes light
propagation in terms

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of rays. The ray in geometric optics is an abstraction useful for approximating the paths along which light propagates under certain circumstances. Free download PDF Geometrical Optics Hand Written Note By Abhijeet Agarwal.

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(ii) Explain how a signal is transmitted along an optical fibre.

(iii) An optical fibre has an outer less dense layer of glass.

What is the role of this layer of glass?

(iv) An optical fibre is manufactured using glass of refractive index of 1.5.

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note is to introduce
engineers to the
characteristics of
light that can be used

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Introduction to Light sources and photodetectors

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caustics as physical objects
implementation of geometrical optics is described to applied optics to telecommunications radar and microwave engineering which are just a few of the fast developing engineering disciplines based on wave optics has three

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Optics(ray optics),
treated in the first
half of the class -
Emphasizes on
finding the light path
-Especially useful for

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studying the optical behavior of the system which has designing optical instruments, tracing the path of propagation in inhomogeneous media.

Lecture Notes on
Geometrical Optics
(02/10/14)
propagation in terms
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Of rays geometrical optics can be treated as the limiting case of wave optics when size of obstacle is very much large as compared to wavelength of light under such conditions the wave nature of light can be ignored and light can be assumed to be travelling in straight

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