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# PHYSICS Homework

1. Rectilinear propagation of light is the tendency of electromagnetic waves in which the light travels in a straight line.
2. Pin hole camera is a simple application for the rectilinear propagation of light.
3. The factors which affect the size of image formed in a pin hole camera are :-
  - (1) The distance of screen (i.e. tracing paper) from the pin hole, and
  - (2) The distance of object (i.e. candle) in front of the pin hole.
4. Characteristics of the image formed by the pin hole camera :-
  1. It is real i.e. it is formed on the screen.
  2. It is inverted or upside down

3. It is generally smaller in size than the object (because the object is far away from the pin hole the screen).