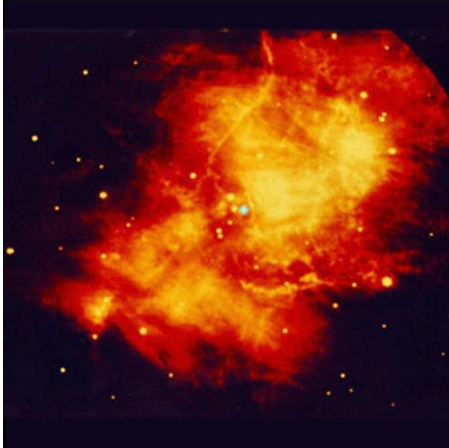


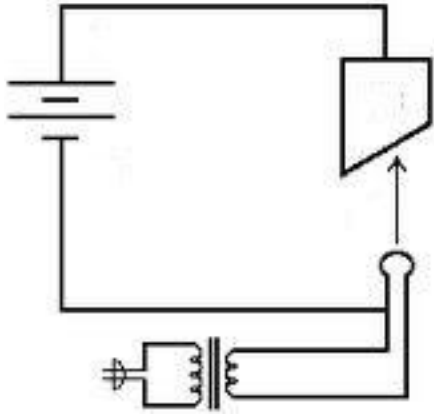
ηvision

Celestial Inquisition 2 Problem statement



1. This is an IR image of a celestial object observed by a telescope.
2. The images captured by this telescope have been of immense importance as far as our understanding of universe goes. This telescope is able to really gaze deep down into the universe. The image which was transmitted back to the laboratory was of the form shown below. Name the telescope. Also name the type of the image given below.





3. The images processed by the satellite gave the result that the behavior of the celestial object was based on the theory shown by the above diagram. State the theory.

4. The center of this celestial object is of great importance. It is said that if we capture the electromagnetic waves from this object and convert them to audio signals, you would hear lively music. What is the celestial object?

Answer each of the parts. Each part carries 5 points. Total of 20 points.

Submit your answers by 23rd September 2012. Late entries will not be entertained. For any queries, contact

Sharang Kulkarni,

Coordinator, Cepheid

Me11b017@iith.ac.in

+917382366346