

Abstract Details

Title: Emergence of Modern Physics

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Abstract: When we are dealing with the subject physics, we deal with nature and natural phenomenon. Physics dealing with all physical quantities before the year 1900 was termed as classical physics. But with the onset of the 20th century, it was found that some of the facts observed couldn't be explained by the theories given in classical mechanics. So the necessity of new theory was inevitable. This theory was given the name – modern physics; which explained all the facts which couldn't be explained by classical mechanics. The difference between the two is that classical physics is based on the concept of determinism and quantum physics is based on probabilistic approach.

Keywords: Modern Physics, Classical Physics, Blackbody Radiation.