Seminar on "Quantum Mechanics Converges to Classical Mechanics: The Correspondence principle"

Date: 01-01-2019 | Participants: 75

Dr. Pruthul R Desai, Department of Physics, Sir P. T.

Sarvajanik College of Science, Surat





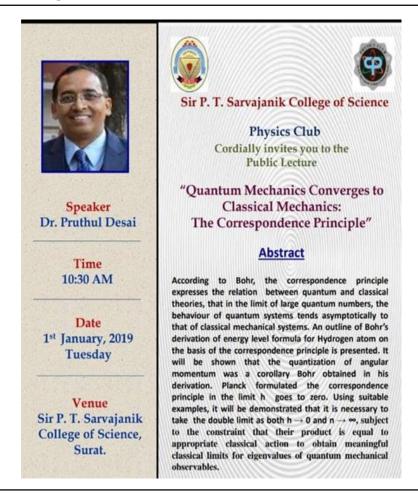




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Brief Report:

Once again it's Dr. Pruthul Desai with another topic of quantum mechanics, "the correspondence principle". The story of "the correspondence principle", Bohr's ideas and the significance of "the correspondence principle" were discussed very ardently by him in this talk. He explained, with the help of an example, how the large values of the principal quantum number in the quantum mechanical equations lead to the results, obtained in classical Physics. He also described how the idea of quantization of orbital angular momentum came to Bohr. The talk was followed by the question-answer session.