TALK ANNOUNCEMENT

8 January 2015   11:00 a.m   Fermion

Speaker:

Dr. Shashi C. L. Srivastava

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(Short Term visitor, VASP, EVLP to Prof. Partha Guha)

Title:

Records in the classical and quantum standard map

Abstract:

Record statistics is the study of how new highs or lows are created and sustained in any dynamical process. The study of the highest or lowest records constitute the study of extreme values. In recent times, record statistics has been developed and applied in the context of random walks, financial studies etc. We recently have developed the upper record statistics for complex random vector and have utilized the results to study the eigenfunctions of quantized Standard map, a well known system in quantum chaos literature. In this talk, I will discuss the utility of record statistics for certain aspects of the classical and quantum chaos by taking standard map as an example system.