

Thermodynamics formalism in Ergodic theory

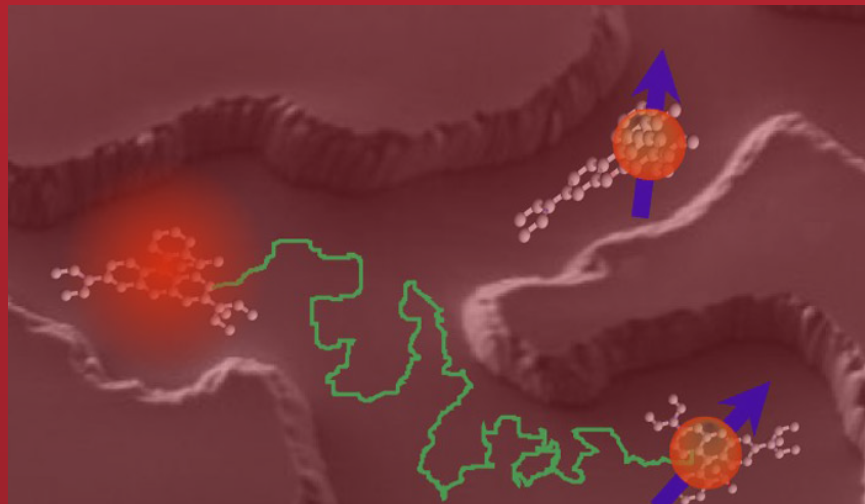
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09 May, 14:30 - 15:30

AS-SMS, Lahore



The Introduction of Thermodynamics formalism within mathematical field is due to Yakov Sinai, David Ruelle (1935-) and Rufus Bowen (1947-1978) in early '70. The aim of this talk is to provide a brief introduction of elements of Thermodynamics formalism in Ergodic theory. Throughout the talk our dynamical system will remain Symbolic dynamical systems. The main idea is to introduced the concept of pressure function, equilibrium state, potential and phase transition etc in the language of invariant probability measure.



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