ICTS Statistical Physics and Condensed Matter Seminar

Title : Super-universality

Speaker : Pradeep Kumar Mohanty (Indian Institute of Science Education and Research Kolkata)

Date : Tuesday, 17 September 2024

Time : 11:30 AM (IST)

Abstract : When critical exponents vary continuously on a critical line formed by a marginal operator, certain RG-invariant scaling functions remain invariant all along and carry the universal feature of the phase transition. I will describe this super-universal scenario using three examples: Ashkin Teller Model, Interaction-Percolation and Motility Induced Phase Separation (MIPS) transition in two dimension.

Venue : Chern Lecture Hall
Zoom Link: https://icts-res-in.zoom.us/j/93053079719?pwd=uWwl4VCfCP2ye1tULXGpbMfE79H9O4.1
Meeting ID: 930 5307 9719
Passcode: 202030