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From integrable spin chains to coupled KPZ equations

Wednesday, June 4, 2025 11:30 AM (1h 30m)

Surprising signatures of anomalous spin transport have been reported in the spin-half Heisenberg spin chain at the isotropic point, in a number of recent works. The talk will discuss: (i) analogous results for classical integrable spin chains and (ii) properties of coupled Burgers equations that have been proposed as effective hydrodynamic descriptions of integrable spin chains.

Presenter: DHAR, Abhishek