

Massachusetts Institute of Technology
Department of Physics

Condensed Matter Theory Seminar

"Entanglement hamiltonian evolution during thermalization in conformal field theory"

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Abstract: I will introduce how the entanglement hamiltonian and entanglement spectrum evolve in time during thermalization in a conformal field theory after a quantum quench. Based on conformal mappings, the exact form of entanglement hamiltonian and entanglement spectrum can be obtained at arbitrary time. I will also introduce how the flows generated by entanglement hamiltonian in Minkowski spacetime provide us information on entanglement propagation and thermalization in a subsystem.

12:00pm
Tuesday, September 12, 2017
Duboc Room (4-331)