

OpenQMBP2023: New perspectives in the out-of-equilibrium dynamics of open many-body quantum systems



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Floquet Quantum East: Localization Transition in Thermodynamic Limit

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We define and study the Floquet quantum east circuit model, a kinetically constrained quantum dynamics in discrete space-time, exhibiting a localization transition in infinite volume. The localization is established using perturbative arguments as well as clearly convergent TEBD (time-evolving block decimation) method in real time.

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