



TRR 80 Sonderseminar

Am Mittwoch, den 7. Dezember um 11:00 Uhr

spricht

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über das Thema

Strong thermalization of the two-component Bose-Hubbard model at finite temperatures

We study thermalization of a two-component Bose-Hubbard model by exact diagonalization. Initially the two components do not interact and are both at equilibrium but with different temperatures. As the on-site inter-component interaction is turned on, perfect thermalization occurs. Remarkably, not merely those simple realistic physical observables thermalize but even the density matrix of the whole system — the time-averaged density matrix of the system can be well approximated by that of a canonical ensemble. We also discuss how symmetry of the quenched Hamiltonian affects the level spacing distribution and thermalization of the system.

Gäste sind herzlich willkommen.

Der Vortrag findet im Seminarraum S-439/ Institut für Physik, Universität Augsburg statt.

Gastgeber: Dr. Marcus Kollar
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