



Online Workshop Friday, July 10, 2020

Transport and emergence of hydrodynamics in 1d quantum-lattice models

Program

Time	Speaker	Title
11:45pm		Access to Video Conference open
12:00pm		Welcome & Introduction
12:15pm	Frank Pollmann TU Munich	Far-from-equilibrium dynamics of systems with conservation laws
12:55pm	Break	
1:20pm	Robin Steinigeweg University of Osnabrück	Tackling quantum many-body dynamics by typicality, numerical linked cluster expansions, and projection operator techniques
2pm	Lea Santos Yeshiva University, N.Y.	Speck of Chaos in One-Dimensional Spin Models
2:40pm	Break	
3:00pm	Ivana Dimitrova & Niklas Jespen , MIT	Spin transport in a tunable Heisenberg model realized with ultracold atoms
4:00pm	Break	
4:30pm	Sarang Gopalakrishnan Cuny, N.Y.	Anomalous transport in integrable spin chains
5:10pm	Bruno Bertini University of Ljubljana	Generalized hydrodynamics and universal aspects of one-dimensional transport at low temperatures
5:50pm	Break	
6:10pm	Anatoli Polkovnikov Boston University	Simulating transport in spin chains using cluster truncated Wigner approximation
6:50pm	Final Comments	

Invited talks: 30mins + 10min discussion

See second page for technical information.

Access details (Zoom) will be sent a couple of days before the meeting. The videoconference will start at 11:45am. During the breaks, we will have several break-out rooms for small-group discussions.

The event is open to all members of the invited speaker's groups and other scientists interested in the topic.

For all attendees other than the invited speakers: Please register via e-mail, sent to Kati Oldenburg at kati.oldenburg@theorie.physik.uni-goettingen.de, to make sure that we know who will be joining the Zoom video conference. Thank you!

Organization

Fabian Heidrich-Meisner, Georg-August-Universität Göttingen
Tomaz Prosen, University of Ljubljana