Institute for Applied Mathematics, Bonn University

Oberseminar Stochastik

Thursday, January 18, 2024, 16:30
Lipschitz-Saal (LWK 1.016)

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Duality for a boundary driven asymmetric model of energy transport

In this talk I plan to introduce a boundary driven model of energy transport introduced in 2007 by Giardinà, Kurchan and Redig and its recently introduced asymmetric version. Both these processes are dual with the same particle system with a purely absorbing boundary, the so-called inclusion process. Thanks to this duality relation it is possible to gather information on the stationary correlations out of equilibrium, i.e. when the thermal baths have different temperatures.