



Einladung zum Physikalischen Kolloquium

Montag, 19.10.2009
16.15 Uhr, H2 (O25)

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(Vorstellungsvortrag zur Habilitation)

“Simulation and control of Quantum Systems”

Abstract:

We review the latest developments of theory and numerical methods for simulating and controlling quantum systems, from single qubit to complex many body quantum systems. The key concepts are presented and recent results including tensor network methods and optimal control for quantum information processing are discussed.