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“Non-equilibrium fluctuation theorems for a time-reversible heat reservoir”

We study non-equilibrium fluctuation theorems for a test-system coupled to a spatially extended heat reservoir whose degrees of freedom are explicitly modeled. The test-system and the heat reservoir, combined, satisfy detailed balance with respect to a measure that is uniform on a constant energy surface, as required in a micro-canonical ensemble. The fluctuation theorems are shown to hold despite the fact that the immediate vicinity of the test system goes out of equilibrium during an irreversible process.

Dienstag, 10. Februar 2009, 16 Uhr c.t.

Gebäude E2 6, Seminarraum E.04

Alle Interessenten sind herzlich eingeladen.

Die Sprecher des Graduiertenkollegs
Manfred Lücke und Ludger Santen

**Strukturbildung und Transport
in komplexen Systemen**