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Einladung
zum
Mathematischen Kolloquium

Am Mittwoch, dem 30. Mai 2018, um 16:30 Uhr im Hörsaal des
Mathematischen Instituts (Raum 203), Weyertal 86–90, 50931 Köln.

Es spricht

Prof. Dr. Fritz Haake
Universität Duisburg-Essen

zum Thema

Hamiltonian equilibration, classical and quantum

Abstract

Fully chaotic (hyperbolic) classical dynamics appear to equilibrate under any finite phase space resolution, however fine. This is due to the interplay of Liouville's theorem and stretching (squeezing) of phase space structures in locally unstable (stable) directions. Such tendency towards equilibrium is enhanced in quantum mechanics, essentially by what is known as spreading of wave packets. I shall present a case study, the so called Dicke model, where the equilibration can be followed in great detail.

Tee um 16 Uhr in der Bibliothek des Mathematischen Instituts.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Mathematik