

Mathematics Colloquium at IUB

CHRISTOPHER DENINGER

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will speak on

Entropy and non-commutative determinants

Date: Monday, March 20, 2006

Time: 17:15

Place: Lecture Hall Research II, IUB

Abstract:

A classical theorem of Lind, Schmidt and Ward (Invent. Math. 101) asserts that the entropy of certain actions of commuting automorphisms on compact abelian groups can be expressed as a logarithmic integral over a real torus. We give a non-commutative generalization of this result using among other things the theory of von Neumann algebras.

In the lecture we will make an effort to explain all the required notions assuming only basic knowledge.

Colloquium Tea at ca. 16:45 in the Tea Room of Research II, close to the lecture hall. Everybody is welcome!