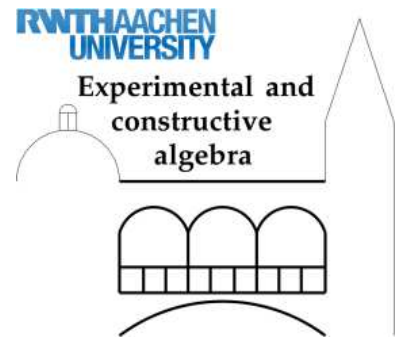


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Vortrag

Dienstag, 19. März 2013, 10:00 Uhr, Hörsaal III

RENAUD COULANGEON (Université Bordeaux 1, Frankreich):
On tensor product of Euclidean lattices

About ten years ago, J.-B. BOST proposed a conjecture about the “tensor product of semistable Hermitian bundles over arithmetic schemes”, which would be an Arakelov analogue of a rather classical theorem for bundles over smooth curves. Once conveniently translated, this conjecture can be formulated in elementary terms as a conjecture on Euclidean lattices. Nevertheless, it does not seem to have received much attention so far from people working on lattice theory.

In this talk (mainly expository), I will report on this conjecture and try to explain why, despite its rather simple formulation, it seems incredibly hard either to prove or disprove.

Wir laden alle Interessierten herzlich ein.