

Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 26. April 2016, 14:00 Uhr, SeMath

LINUS KRAMER (UNIVERSITÄT MÜNSTER):

Automatic continuity of abstract homomorphisms between topological groups

It is a classical result that an 'abstract' group isomorphism between real semisimple Lie groups is automatically continuous. In this talk we consider more generally abstract isomorphisms between semisimple Lie groups and locally compact groups. We also consider finitely generated abstract quotients of Lie groups and of locally compact groups. It turns out that such homomorphisms are in many situations automatically continuous. The proofs rely on the structural properties of the groups in question, on measure theory and on point-set topology.

Wir laden alle Interessierten herzlich ein.