

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

Mathematics seminar

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Bounded normal generation

Thursday 2 March 2017, 14:15-15:15
IMADA seminar room

Abstract

In this talk I will present joint work with Andreas Thom on bounded normal generation (BNG) for projective unitary groups of von Neumann algebras. We say that a group has (BNG) if the conjugacy class of every nontrivial element and of its inverse generate the whole group in finitely many steps.

I will explain the strategy to prove (BNG) for the projective unitary group of a finite factor.

Moreover, I plan to present applications to automatic continuity of homomorphisms to separable SIN groups and the uniqueness of the Polish group topology.

Host: David Kyed