

Classification of automorphisms of operator algebras up to conjugacy

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Seminar on Set Theory and Applications
(University of Copenhagen)

I will present some results, due to many researchers, showing that the automorphisms of several operator algebras are up to conjugacy not classifiable by countable structures. The main ingredients of the proofs are Hjorth's theory of turbulence, together with an argument for meagerness of equivalence classes that was originally used by Rosendal.