

Oberseminar Topologie: 27.04.2020

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„K-theory of Hecke algebras and controlled topology.“

Abstract:

Conjecturally the K-theory of Hecke algebra  $H(G)$  of  $p$ -adic groups  $G$  should be expressible in terms of induction maps for compact subgroups of  $G$ . A strategy to prove this conjecture is to prove a version of the Farrell-Jones Conjecture for Hecke algebras as an intermediate step. However already the formulation of a Farrell-Jones Conjecture for Hecke algebras is non-trivial. I will explain the difficulty and how controlled topology/algebra might be useful for resolving this difficulty.