

Dynamics and splittings of free-by-cyclic groups

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In this talk, I will discuss the mapping torus group of a hyperbolic, fully irreducible automorphism of a finitely generated free group. Among other things, I will talk about how one can compute certain components of the BNS invariant of such groups, as well as other geometric and dynamical information about splittings of these groups.

This is joint work with Spencer Dowdall and Ilya Kapovich.