

Midwest Dynamical Systems

Finite approximation, large conjugacy classes, and dynamics of automorphism groups

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Abstract: Automorphism groups of first order structures exhibit a number of interesting dynamical phenomena not easily encountered in other topological groups. We shall focus on the existence of large, i.e., dense or even comeagre, conjugacy classes in automorphism groups and see how the existence of these relates to strengthened versions of residual finiteness for countable groups. Moreover, we shall indicate how the existence of comeagre conjugacy classes strongly determines the structure of a topological group.

Saturday, November 7 at 2:30 PM in SEO 636