

FREEDOM OF ACTIONS IN AUTOMORPHISM GROUPS

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Abstract. Let G be a topological group and let $g \in G$. We say that $g \in G$ admits a *free action* if there is an action of G on a compact Hausdorff space X such that $gx \neq x$ for every $x \in X$. It is known that if G is locally compact, then there is an action of G on a space X that is free for all non-identity elements of G . We study this notion for groups of automorphisms of countable structure with a particular interest in connections with metrizability of universal minimal flows. This is work in progress.

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