

1087-37-129

Yaroslav Vorobets*, yvorobet@math.tamu.edu. *Totally nonfree actions of self-similar groups.*

An action of a countable group is called totally nonfree if, generically, all points have distinct stabilizers. Every group has a universal nonfree action, namely, the action on the space of its own subgroups by conjugation.

A self-similar group is a transformation group acting on a regular rooted tree in a special way so that the action reproduces itself on subtrees. The talk is concerned with one class of self-similar groups, the branch groups, for which the natural action is totally nonfree. In particular, I will describe how the natural action is related to the universal nonfree action. (Received December 02, 2012)