Algebra/Topology Seminar

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Finiteness Properties of Nekrashevych Groups

Thursday, October 12, 2017
1:15 p.m. in ES-143

ABSTRACT. Given a self-similar group G acting on a regular rooted d-ary tree, we consider the subgroup $V_d(G)$ of almost automorphisms of the tree that "locally look like" G. This forms a Nekrashevych group and provides a natural way of joining the Higman-Thompson group V_d with the self-similar group G.

In this talk, we discuss finiteness properties of certain Nekrashevych groups. This work follows and expands on work of Belk and Matucci who considered the Röver group, $V_2(G)$, where G is the Grigorchuk Group. This is a joint work with Matt Zaremsky.