Geometric and Asymptotic Group Theory with Applications
2016

Daniel Groves

University of Illinois at Chicago

Hyperbolic groups acting improperly

Wednesday, June 15, 2016
Stevens Institute of Technology, Kidde 228
1:30 PM

Abstract:
Suppose that a hyperbolic group G acts cocompactly on a CAT(0) cube complex, and that vertex stabilizers are quasiconvex and virtually special. Then G is virtually special. In case vertex stabilizers are finite, this is a result of Agol, and in case the cube complex is a tree it is a result of Wise. I will discuss the ingredients of the proof of this result. This is joint work with Jason Manning.