

Topology, Algebraic Geometry, & Dynamics Seminar

Quasi-isometries of the Baumslag-Gersten group

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The Baumslag-Gersten group is a commonly used example/counterexample in geometric and combinatorial group theory. For example its Dehn function grows faster than any iterated tower of exponentials. It is a one relator group that can be viewed as the HNN extension of a solvable Baumslag-Solitar group that identifies two different cyclic subgroups. We study quasi-isometries of this group as well as quasi-isometries of related graphs of groups with solvable Baumslag-Solitar vertex groups and cyclic edge groups. This is joint work with Jennifer Taback and Kevin Whyte.

Date: **Friday, October 26, 2018**

Time: **2:30-3:20 pm**

Place: **4106 Exploratory Hall**

For special accommodations, please contact Sean Lawton via email at slawton3@gmu.edu.