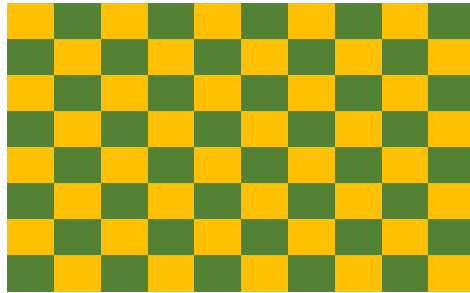# Student Research Talks (StReeTs)

Mason Experimental Geometry Lab (MEGL)

Asymptotic Dimension with Linear control

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Abstract

The classical direction to take when working with a metric space is to focus on the local structure induced by the metric. However, for a large and rich class of metric spaces, the local structure is inherently trivial. This is particularly true if the most natural metric induces the discrete topology, as is the case for finitely generated groups equipped with the word metric. In this talk we will consider various ways in which one can place a meaningful large scale geometry on a metric space, and the degrees to which the "scale" effects the resultant geometric picture.

Date: Friday, November 11, 2016
Time: 2:30pm–3:30pm
Place: Exploratory Hall 4106

Pizza and soda will be served at the presentation.

For further information or for special accommodations, please contact Sean Lawton via email at `seanlawton@gmail.com` or drop by the MEGL.