

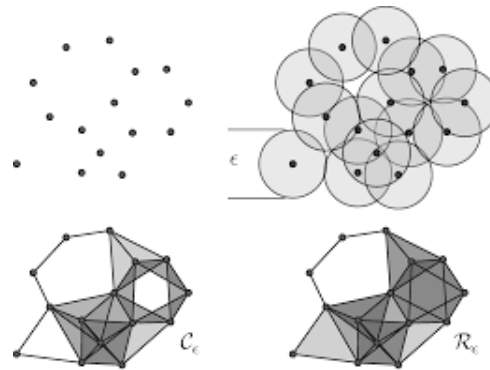
# Student Research Talks (StReeTs)

Mason Experimental Geometry Lab (MEGL)

## What is Persistent Homology?

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### Abstract

A recent problem in engineering and the sciences is that of “Big Data”. Modern computing allows us to collect data at an unprecedented rate, but it can be difficult to draw useful conclusions and see the “bigger picture” with such large data sets. Persistent Homology is an exciting new tool using techniques from Algebraic Topology to aid in this problem. This will be an expository talk about Persistent Homology and will be accessible to those with a first undergraduate course in Algebra and Topology.

Date: Friday, September 23, 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](mailto:seanlawton@gmail.com) or drop by the MEGL.