

# STudent REsearch TalkS (StReTs)

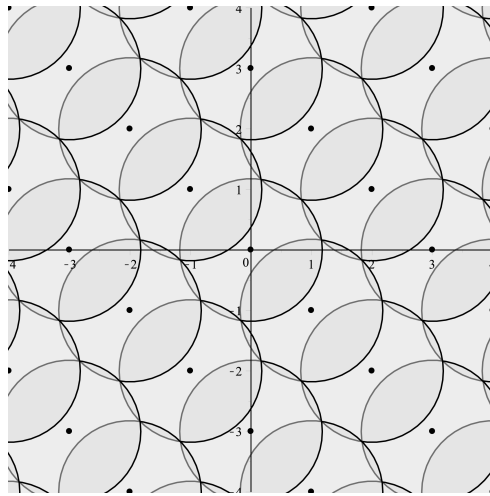
Mason Experimental Geometry Lab (MEGL)

## The Geometry of Numbers

**Alathea Jensen**

Department of Mathematics Sciences

George Mason University



### Abstract

The geometry of numbers seeks to answer number-theoretic questions in a geometric context. The principle objects of study are point lattices, convex bodies, star bodies, and the relationship between them, with applications ranging from cryptography to crystallography. This general-interest talk will provide a brief overview of fundamental concepts, classical results, and modern directions.

Date: Friday, April 3, 2015

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.