

STudent ResEArch TalkS (StReaTs)

Mason Experimental Geometry Lab (MEGL)

Lower Bound Cluster Algebras and Stanley-Reisner Complexes

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Abstract

Lower bound cluster algebras have an important place in the flourishing study of cluster algebras. This talk will showcase new combinatorial results concerning these algebras and certain simplicial complexes associated to them. These results appear in our paper: <http://arxiv.org/abs/1508.02314>. Before discussing these results, I will give an overview of the mathematical objects at work in this project: rings, directed graphs, and simplicial complexes.

Date: Friday, October 2, 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 or drop by the MEGL.