Spring 2016 Symposium
Mason Experimental Geometry Lab

Friday May 6, L106 Exploratory Hall, Pizza at 1pm

1:00-1:20pm: *Special Words in Free Groups*

Patrick Bishop, Tim Reid

1:25-1:40pm: *Becoming a Fan of the Gröbner Fan: Combinatorial Algebra of a Modulized Basis*

Shams Alyusof, Anneliese Slaton

1:45-2:00pm: *Special interest in Classifying the P3 cone over rank 2 Lie groups*

Austin Alderete, Conor Nelson

2:05-2:25pm: *Isometric Embedding of a Flat Torus in 3D Euclidean Space and a Visualization of the Nash-Kuiper Sphere*

Stephanie Mui

2:30-2:50pm: *Attractor? I Hardly Know Her! featuring Rotations and ODEs in VR*

Donnelly Phillips, Mae Markowski, Joseph Frias

3:00-3:20pm: *The meta-stability of the fractional Allen Cahn equation*

Conor Nelson, Kathleen McLane, Harout Boujakjian

3:30-3:50pm: *Largest Orbits in $\mathrm{Hom}(F_2, \mathrm{SL}_2(\mathbb{F}_q))//, \mathrm{SL}_2(\mathbb{F}_q)$ under an action of $\mathrm{Out}(F_2)$*

Jermain McDermott

4:00-4:20pm: *MEGL Outreach: Sharing the Joy of Math*

Jack Love

4:30-4:50pm: *Self-dual embeddability of graphs in pseudosurfaces*

Ethan Rarity