

The Oliver Club

www.math.cornell.edu/~oliver/

Chris Brav, University of Toronto

Braid Groups and Kleinian Singularities

*In his book *The Icosahedron*, Felix Klein made a careful study of finite subgroups G of $SL_2(\mathbb{C})$ and showed that the quotient \mathbb{C}^2/G could be embedded as a hypersurface in \mathbb{C}^3 with a unique singularity at the origin. These so-called Kleinian singularities were later shown to be in bijection with Coxeter-Dynkin diagrams and are now known to have beautiful relations to Lie theory. We focus on the appearance of braid group symmetries in this context.*



Thursday, February 18, 2010
at 4:25 PM in 406 Malott Hall

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).