

Queen's Algebraic Geometry — Seminar —

POLYHEDRAL GEOMETRY OF MCKAY QUIVER REPRESENTATIONS

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Abstract

I will describe recent joint work with Maclagan and Thomas that uncovers a distinguished component of the moduli space of representations of the McKay quiver determined by a finite abelian subgroup G of $GL(n)$. This component is a toric variety that provides a partial resolution of the quotient \mathbb{C}^n/G and, in certain cases, provides a crepant resolution. I will illustrate the talk with a simple example to keep the discussion down-to-earth.

Monday, September 13, 2004
2:30pm – 3:30pm
319 Jeffery Hall