

Algebraic Geometry Seminar

A simplicial approach to effective divisors in $\bar{M}_{0,n}$

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Abstract: The moduli space $\bar{M}_{0,n}$, a compactification of the space of n distinct points on the Riemann sphere, has served as a fertile testing ground to explore many phenomena of moduli spaces in algebraic geometry. One tantalizing question is to describe the convex cone of effective divisor classes and Cox ring of these spaces. I'll discuss joint work with B. Doran and D. Jensen in which we provide a new perspective on this question in terms of simplicial complexes and show how this relates to recent exciting work of Castravet, Tevelev, and Opie.

Wednesday, April 23 at 4:00 PM in SEO 427