Algebraic Geometry Seminar

Weighted compactifications of configuration spaces

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Abstract: I will report on recent work on weighted compactifications of the configuration space of n labeled points on an arbitrary nonsingular variety. The construction that we will discuss provides a generalization of the Fulton- MacPherson compactification that is parallel to the generalization of the moduli space of n-pointed stable curves carried out by Hassett. As an application, I will give a presentation of the Chow ring of these weighted compactifications, which can be used to compute the Chow ring of Hassett's spaces in genus 0.

Wednesday, February 11 at 4:00 PM in SEO 427