

Algebraic Geometry Seminar

Stable restrictions of vector bundles on projective varieties

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Abstract: Recent developments in the study of stable sheaves extend the notion of stability to the entire derived category. This broader perspective can be used to study the classical moduli space. In this talk I will discuss these ideas in the context of restriction theorems: situations in which a stable vector bundle remains stable when restricted to a subvariety. Derived category techniques can produce stronger restriction theorems than were previously available. I will discuss applications if time permits.

Wednesday, April 3 at 4:00 PM in 427 SEO