

Algebraic Geometry Seminar

A uniform description of test and multiplier ideals

Kevin Tucker (Princeton University)

Abstract: Multiplier ideals are invariants measuring singularities on complex algebraic varieties with analytic origins. In contrast, test ideals are invariants in positive characteristic defined via Frobenius. We will discuss recent advances further linking these invariants to one another, and in particular a characteristic free description of these two invariants. This is joint work with Manuel Blickle and Karl Schwede.

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