



Stony Brook University

5th Biannual Mini-School in Geometry

Invariants of Singularities in zero and positive characteristic

December 4, 2015

Aimed at graduate students and postdocs in geometry, the mini-school will present an introduction to modern invariants of singularities, both in characteristic 0 and p , with an emphasis on the surprising connections between them. No previous exposure to the topics will be presupposed.



Introduction to singularities

Rob Lazarsfeld (Stony Brook)

Frobenius invariants of singularities

Kevin Tucker (UIC)

Connections between characteristic zero and $p > 0$ invariants

Mircea Mustata (Univ. of Michigan)

The analytic viewpoint

Dror Varolin (Stony Brook)

The lectures will start at 10 am. Lunch will be provided and modest travel costs defrayed for outside participants. Lunch will be subsidized for local participants. Supported by the NSF and the Stony Brook Algebraic Geometry Fund. To register, and for further information, <http://www.math.sunysb.edu/AlgebraicGeometry/Singularities.html>