

Algebra and Geometry Seminar

Speaker: Ruiran Sun (McGill University)

Title: On slope and valuative K-semistability for big and nef birational divisors

Abstract: In this talk, I will revisit the slope stability due to Ross-Thomas and valuative K-stability due to Fujita and Dervan-Legendre from a more birational viewpoint. The purpose here is to introduce numerical K-semistability invariants for birational divisors. I will explain the idea via some illustrative examples of projective bundles. This is based on the joint work with Nathan Grieve.