

Graduate Algebraic Geometry Seminar

Adjoint linear systems on algebraic surfaces I

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Abstract: Let X be a smooth projective surface and L a big and nef line bundle. The pluricanonical $|nK_X|$ and adjoint linear systems $|K_X + L|$ have been well studied. The aim of this talk is to introduce the circle of ideas of Bombieri, Mumford, Van de Ven, Sommese, Reider, among others on the positivity and global generation of $|K_X + L|$ in the case that the base field has characteristic zero.

Wednesday, September 3 at 2:00 PM in SEO 427