Queen's Algebraic Geometry
— Seminar —

Equations for Nonsingular Subvarieties

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Abstract

In algebraic geometry, the difficulty of making effective algebraic calculations is subtly governed by intrinsic geometry. In this talk, we will review bounds on the algebraic complexity for subvarieties of projective space. We'll then motivate and present new results which accommodate more general ambient spaces. In particular, we will discuss a linear bound on the multigraded regularity of a smooth subvariety. This talk is based on joint work with Victor Lozovanu.

Monday 13 February 2012
15:30 – 16:30
319 Jeffery Hall