

Queen's Algebraic Geometry — Seminar —

EQUATIONS AND DEGENERATIONS OF THE MODULI SPACE OF
GENUS ZERO STABLE CURVES WITH n MARKED POINTS

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Abstract

Curves are one of the basic objects of algebraic geometry, and so much attention has been paid to the moduli space of all curves of a given genus. This talk will focus on the moduli space of genus zero stable curves with n marked points, which is a compactification of the space $M_{0,n}$ of isomorphism classes of n points on the projective line. After introducing this space, I will describe joint work with Angela Gibney on explicit equations for it, which lets us see degenerations to toric varieties.

Tuesday, December 5, 2006
4:30pm – 5:30pm
319 Jeffery Hall