

# Queen's Algebraic Geometry — Seminar —

## NON COHEN-MACAULAY PROJECTIVE MONOMIAL CURVES

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### Abstract

This is joint work with Les Reid. We compare several ways of measuring how far a projective monomial curve is from being Cohen-Macaulay, and use these results to show that as the degree  $d$  goes to infinity the number of Cohen-Macaulay projective monomial curves of degree  $d$  grows exponentially, but the fraction of all projective monomial curves of degree  $d$  that are Cohen-Macaulay approaches 0.

Monday, February 14, 2004  
2:30pm – 3:30pm  
422 Jeffery Hall