

Queen's Algebraic Geometry — Seminar —

MONODROMY OF HYPERELLIPTIC AND TRIELLIPTIC CURVES

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Abstract

I'll explain a calculation of the integral monodromy of every component of the moduli spaces of hyperelliptic and trielliptic curves (joint work with R. Pries). From this, I'll deduce results about Jacobians of such curves over finite fields, as well as a statement of Cohen-Lenstra type for hyperelliptic function fields.

Monday, October 23, 2006
4:30pm – 5:30pm
115 Jeffery Hall