

# Queen's Algebraic Geometry — Seminar —

BERGLUND–HUBSCH DUALITY VIA  $D$ -MODULES

ANDRIJA PERUNIČIĆ  
Queen's University

## Abstract

Berglund–Hubsch Duality is a type of mirror symmetry given in terms transpose invertible polynomials and their symmetry groups. In this talk, we describe a restatement of Berglund–Hubsch duality in terms of  $D$ -modules that has an immediate  $p$ -adic interpretation, and point out some applications inspired by the arithmetic mirror symmetry conjecture by Wan. This is joint work with M. Aldi.

Monday 20 October 2014  
16:30–17:30  
319 Jeffery Hall