



A.G.O. FRiDAYS

(Algebraic Geometry On Fridays)

Birational geometry of moduli spaces of pure sheaves

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ABSTRACT

Let $M(d, 1)$ be the moduli space of stable sheaves on \mathbb{P}^2 with Hilbert polynomial $dm + 1$. In this talk, we express the nef cone of $M(d, 1)$ in terms of geometric divisors. Main idea is to use the Bridgeland wall-crossing and the Grothendieck–Riemann–Roch calculation. If times are allowed, we compute the BPS index by using Bridgeland wall-crossing.

- **Time & Date : 02:00p.m.~03:00 p.m.**
May 24 (Fri) 2013
- **Place : Math Science Building room 310**