



A.G.O. FRiDAYS

(Algebraic Geometry On Fridays)

Frobenius morphisms and derived categories on two dimensional toric Deligne--Mumford stacks

Speaker: Ryo Okawa
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ABSTRACT

Abstract: For a toric Deligne-Mumford (DM) stack over the complex number field, we can consider a certain generalization of the Frobenius endomorphism. For such an endomorphism of a two-dimensional toric DM stack, we show that the push-forward of the structure sheaf generates the bounded derived category of coherent sheaves on the stack.

- **Time & Date : 02:00p.m.~03:00 p.m.**
November 09 (Fri) 2012
- **Place : Math Science Building room 404**