



A.G.O. FRiDAYS

(Algebraic Geometry On Fridays)

On certain manifolds with nef tangent bundle

Speaker: Watanabe, Kiwamu
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ABSTRACT

As a generalization of Hartshorne-Frankel Conjecture solved by S. Mori, F. Campana and T. Peternell conjectured that the only complex Fano manifold with nef tangent bundle is a rational homogeneous space. It is known that this conjecture holds in dimension at most 4. However the proof depends on detailed classification of manifolds satisfying required properties. In this talk, we concentrate on a certain class of Fano manifolds with nef tangent bundle and consider how to recover the group action. This is joint work with R. Muñoz, G. Occhetta and L. E. Solá Conde.

- **Time & Date : 02:00p.m.~03:00 p.m.**
April 19 (Fri) 2013
- **Place : Math Science Building room 404**