



A.G.O. FRiDAYS

(Algebraic Geometry On Fridays)

The Nadel vanishing theorem for the multiplier ideal sheaves associated to metrics with minimal

Speaker: Matsumura, Shin-ichi
(Kagoshima University)

Abstract

In this talk, I will talk on the Nadel vanishing theorem for the multiplier ideal sheaf associated to a singular metric admitting an analytic Zariski decomposition (such as a metric with minimal singularities), under some weak assumption.

For the proof, we generalize Kodaira's injectivity theorem to a line bundle with a singular metric. Further we establish the asymptotic vanishing theorem for high tensor powers of a line bundle.

- **Time & Date : 02:00p.m.~03:00 p.m.**
May 16 (Thu) 2013
- **Place : Math Science Building room 404**