



TRANSCENDENTAL B-DIVISORS AND APPLICATIONS

Speaker:Mingchen Xia

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Time:Mon., Jan. 5th, 14:00-15:00

Venue:Room 406, SCMS

Abstract: I will explain the notion of b-divisors over a compact Kähler manifold. We will show that nef b-divisors, being a cohomological notion, are in bijection with a class of currents. The analytic theory can therefore be applied while studying nef b-divisors. As a consequence, we establish the intersection theory of nef b-divisors, answering a question of Dang-Favre. As an application, we derive a quantitative estimate of the loss of mass problem, extending the previous works of Su and Vu.