NORMALIZED TANGENT BUNDLE, PSEUDOEFFECTIVE CONE AND VARIETIES WITH SMALL CODEGREE

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Venue: Tencent Meeting 995 792 574 Password: 382322

Abstract: We propose a conjectural list of Fano manifolds of Picard num- ber one whose normalized tangent bundle is pseudoeffective and we prove it in various situations by relating it to the complete divisibility conjecture of Russo and Zak on varieties with small codegrees. The pseudoeffective cone of the projectivized tangent bundle of a rational homogeneous space of Picard number one is explicitly determined by studying the total dual VMRT and the geometry of stratified Mukai flops. This is a joint work with Jie LIU.