鹿児島大学数理情報科学談話会

第２２４回

日時：2017 年 6 月 16 日（金）16:30 – 17:30

場所：理学部 2 号館 404 室

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題目：On surjective morphisms between smooth Fano manifolds

Abstract:

We consider the structure of surjective holomorphic map $f : X \to Y$ between $n \geq 3$-dimensional smooth projective varieties. In case that X, Y are of general type such problem is very important and many interesting results continued to be obtained even now. In our talk we focus on Fano manifolds X, Y and study the property of surjective map f and when there is a surjective map $f : X \to Y$ or not. For example it is known that when X is P^n, so is Y and that when X hyperquadric, Y is P^n except for an isomorphism f. Particularly we deal the case that X is a Fano complete intersection in the projective space and investigate the behavior of rational curves C in Y and the inverse image of C in X.