



复旦大学数学科学学院 数学综合报告会

报告题目: **Effectivity of litaka fibrations and pluricanonical systems of polarized pairs**

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报告地点: 光华东主楼 1501

摘要: For every smooth complex projective variety W of dimension d and nonnegative Kodaira dimension, we show the existence of a universal constant m depending only on d and two natural invariants of the general fibres of an litaka fibration of W such that the pluricanonical system $|mK_W|$ defines an litaka fibration. This is a consequence of a more general result on polarized adjoint divisors. In order to prove these results we develop a generalized theory of pairs, singularities, log canonical thresholds, adjunction, etc.

This is a joint work with C. Birkar.

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