



复旦大学数学科学学院 数学综合报告会

报告题目: **On the logarithmic Chow semistability of polarized toric manifolds**

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报告时间: 2016-12-09 星期五 15:10-16:10

报告地点: 光华东主楼 1801

摘要: The logarithmic Chow (semi)stability is defined for the pair consists of polarized complex manifolds and its divisors. In this talk, I will introduce a obstruction of semistability of polarized toric manifolds and its toric divisors. As its application, I will also introduce the followings.

(1) A relation between the log Chow semistability and the log K-semistability which is expected to be equivalent to the existence of canonical Kahler metrics on polarized complex manifolds.

(2) Calculation of this obstruction for a few example and relation to the existence of conical Kahler Einstein metrics.

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