



复旦大学数学科学学院 数学综合报告会

报告题目: The uniqueness of Poincaré type extremal Kähler metric

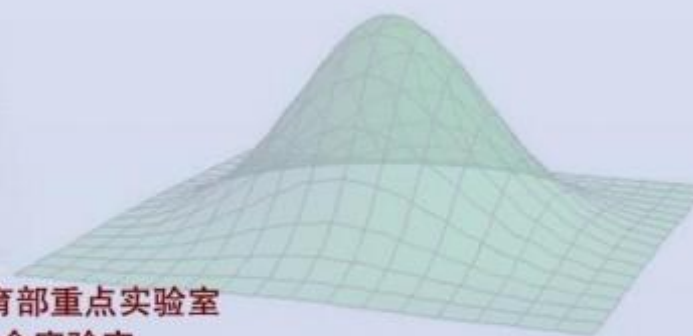
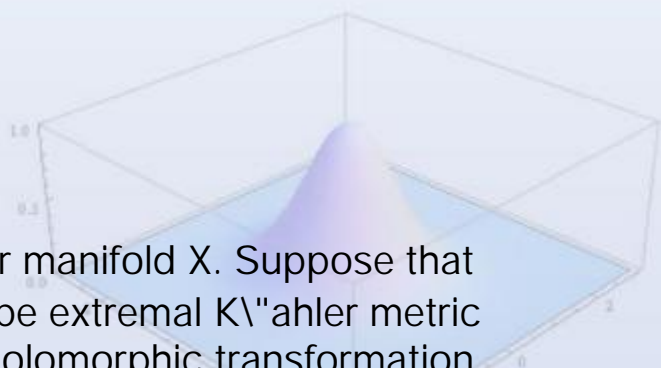
报告人: 徐钰伦 (多伦多大学)

时间: 2025-07-28 星期一 10:00-11:00

地点: 光华楼东主楼2001

报告摘要:

Let D be a smooth divisor on a closed Kähler manifold X . Suppose that $\text{Aut}_0(D) = \{\text{Id}\}$. We prove that the Poincaré type extremal Kähler metric with a cusp singularity at D is unique up to a holomorphic transformation on X that preserves D . This generalizes Berman-Berndtsson's work on the uniqueness of extremal Kähler metrics from closed manifolds to some complete and noncompact manifolds.



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