



复旦大学数学科学学院 数学综合报告会

报告题目: **Some new solutions to the Strominger system**

报告人: 费腾 (MIT)

报告时间: 2016-01-05 星期二 10:00-11:00

报告地点: 光华东主楼 2001

摘要: The Strominger system is a system of PDEs derived by Strominger in his study of compactification of heterotic strings with torsion. It can be thought of as a generalization of Ricci-flat metrics on non-Kähler Calabi-Yau 3-folds. We present some new solutions to the Strominger system on a class of noncompact Calabi-Yau 3-folds constructed by twistor technique. These manifolds include the resolved conifold $\text{Tot}(O(-1,-1) \rightarrow P^1)$ as a special case.



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