



复旦大学数学科学学院
数学综合报告会

午间学术报告会（九十）

报告题目：**Einstein four-manifolds with positive sectional curvature**

报告人：吴鹏（上海数学中心）

报告时间：2017-12-08 星期五 12:00-13:00

报告地点：光华东主楼 1501

摘要：Einstein metrics are natural canonical metrics on Riemannian manifolds. In dimensions two and three, Einstein metrics all have constant sectional curvature. We will discuss recent progress on the classification of Einstein metrics with positive sectional curvature in dimension four. If time permitted, we will also discuss the rigidity of gradient shrinking Ricci solitons, which can be considered as natural generalizations of Einstein metrics, in dimension four.

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