



复旦大学数学科学学院 数学综合报告会

午间学术报告会（八十）

报告题目: **Homotopy groups and the uniqueness of differential structures on spheres**

报告人: 王国桢 博士

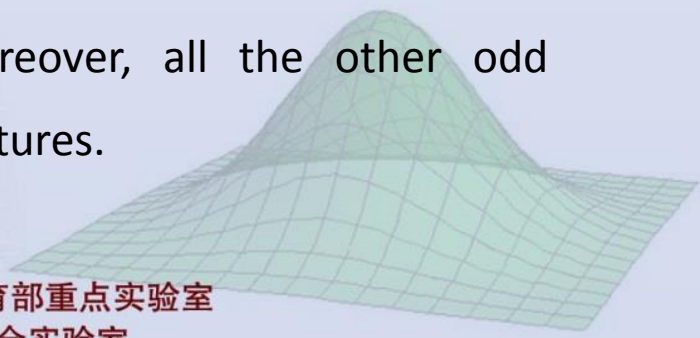
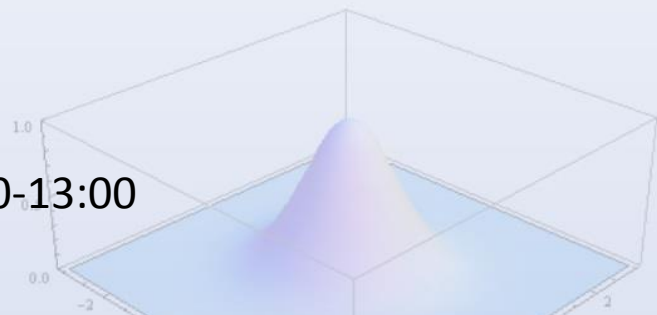
(上海数学中心)

报告时间: 2017-06-30 星期五 12:00-13:00

报告地点: 光华东主楼 1501

摘要: By using new techniques based on the algebraic and geometric Kahn-Priddy theorems, we make new computations of stable homotopy groups of spheres.

Based on our computation, together with previous results, we now know spheres of dimensions 1, 2, 3, 5, 6, 12, 56, 61 have unique differential structures. Moreover, all the other odd dimensional spheres has exotic structures.



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