



## 复旦大学数学科学学院 数学综合报告会

### 创新研究群体学术报告

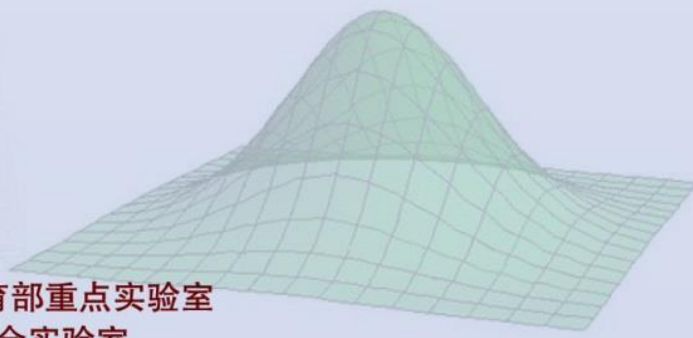
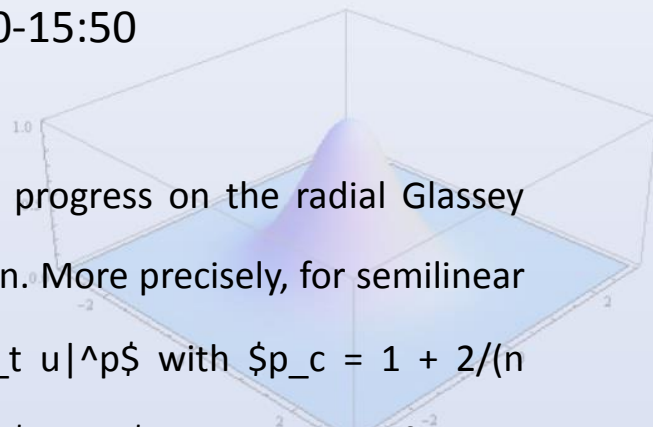
报告题目: **The radial Glassey conjecture with minimal regularity**

报告人: 王成波 (浙江大学)

报告时间: 2016-11-18 星期五 15:00-15:50

报告地点: 光华东主楼 1501

摘要: In this talk, I will report our recent progress on the radial Glassey conjecture with minimal regularity assumption. More precisely, for semilinear wave equations of type  $\Box u = |\partial_t u|^p$  with  $p_c = 1 + 2/(n-1) < p_c = n/2 + 1 - 1/(p-1)$ . It is known that  $p > p_c$  is necessary for the problem to admit global solutions and  $p \geq p_c$  is necessary for the problem to be local well-posed in  $H^s$ . In the process, we exploit and prove a weighted fractional chain rule



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