



复旦大学数学科学学院 数学综合报告会

报告题目: **Restriction of Fourier transform to some oscillating curves**

报告人: 范大山 教授

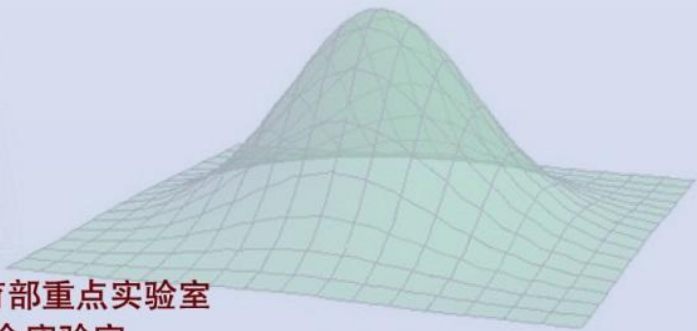
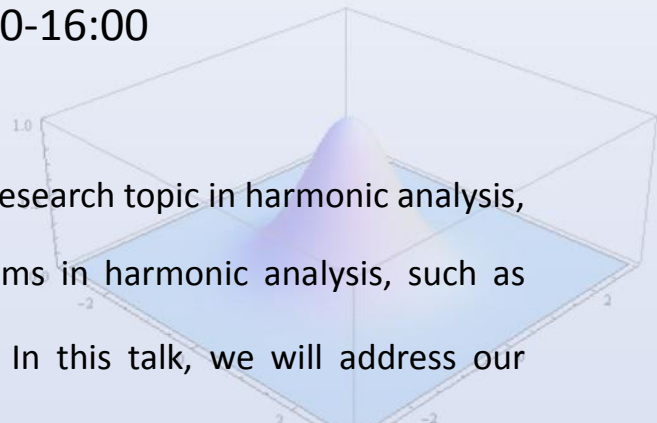
(University of Wisconsin-Milwaukee)

报告时间: 2017-06-20 星期二 15:00-16:00

报告地点: 光华东主楼 1501

摘要: Fourier restriction is a very interesting research topic in harmonic analysis, since its applications involve some core problems in harmonic analysis, such as Strichartz estimates and Bochner-Riesz means. In this talk, we will address our recent work on Fourier restriction on simple curves. We obtain the sharp (L^p, L^q) restriction estimate for simple curves in \mathbb{R}^n , where $n > 2$ (the result at $n=2$ was proved in 1974 by Sjölin).

This result is based on one of my recent papers joint with X. Chen and L. Wang, which will be published in JFAA.



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