复旦大学数学科学学院

数学综合报告会

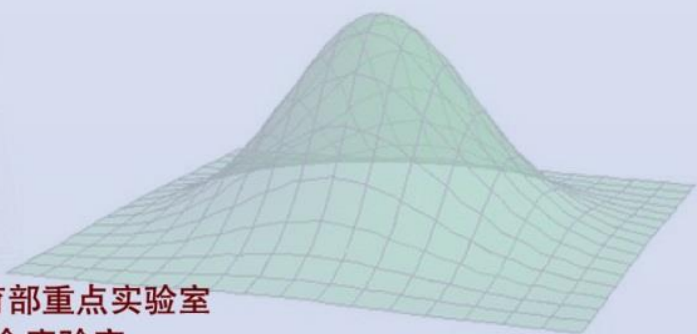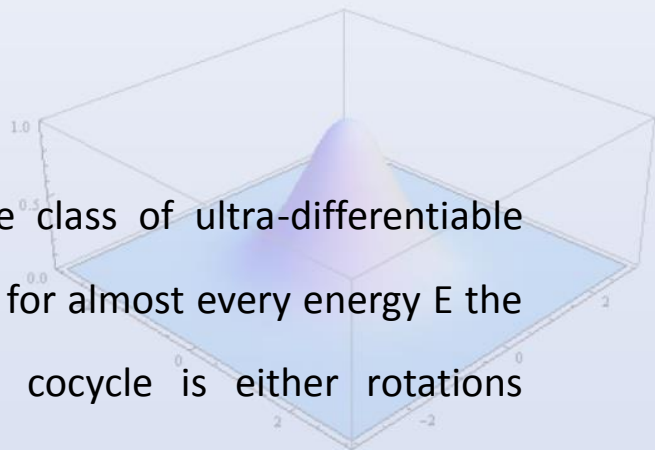报 告 题 目： Global rigidity results for quasiperiodic ultra-differentiable cocycles

报告人：周麒 教授 (南开大学陈省身数学所)

时间：2020-10-5 星期一 16:00-17:00

地点：腾讯会议 ID: 436 204 874

报告摘要：

In this talk, we show that for a large class of ultra-differentiable potential, and for any irrational frequency, for almost every energy E the corresponding quasiperiodic Schrodinger cocycle is either rotations reducible or has positive Lyapunov exponents. This partially answers R. Krikorian's open question. As spectral application, we prove ``Last's intersection spectrum conjecture" in the Gevrey setting.

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