



复旦大学数学科学学院 数学综合报告会

报告题目: Arithmetic properties of Piatetski-Shapiro sequences

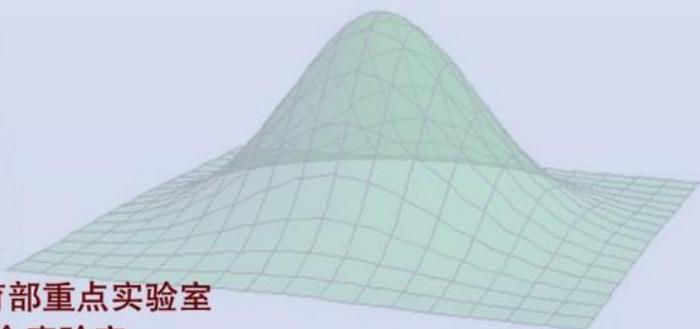
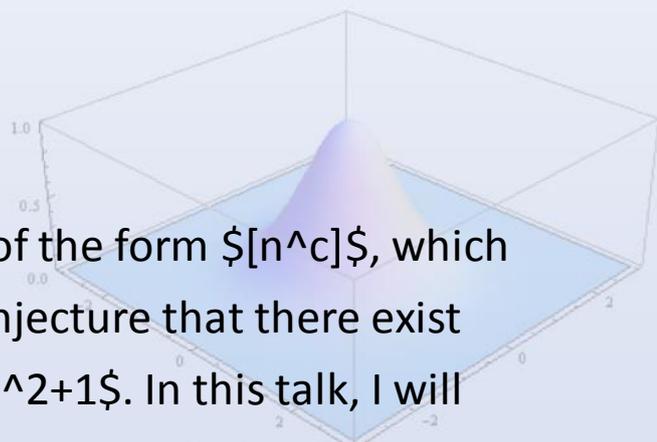
报告人: 郭振宇 (西安交大)

时间: 2021-07-27 星期二 15:00-16:00

地点: 光华东主楼1801

报告摘要:

The Piatetski-Shapiro sequences are of the form $[n^c]$, which is an intermediate problem of the conjecture that there exist infinitely many primes of the form n^2+1 . In this talk, I will introduce the classical results of this topic. I will also show our recent theorem about the infinity of the primes in the intersection of a Piatetski-Shapiro sequence and multiple Beatty sequences with a sketch of our proof.



非线性数学模型与方法教育部重点实验室
中法应用数学国际联合实验室
上海市现代应用数学重点实验室
复旦大学数学研究所