



复旦大学数学科学学院 数学综合报告会

系列报告之二

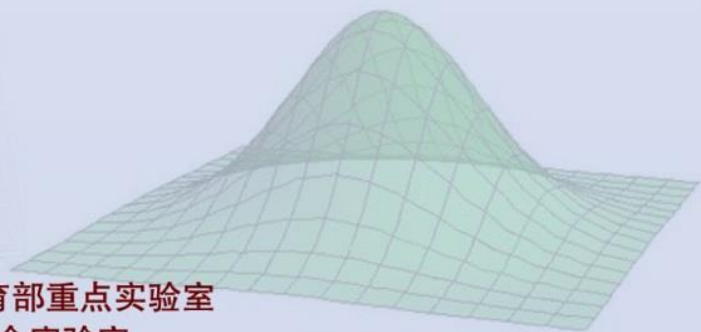
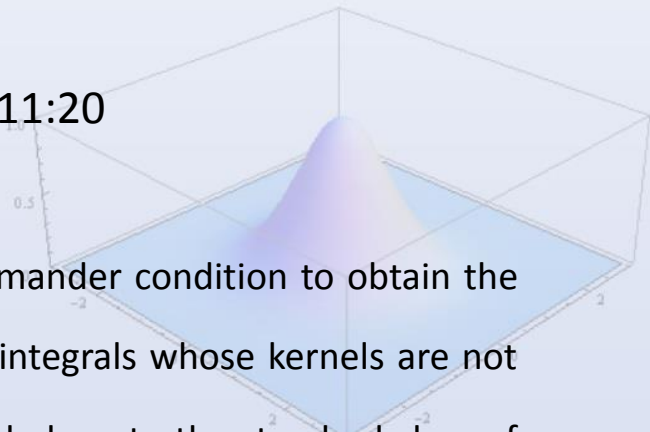
报告题目: **Estimates on singular integrals with non-smooth kernels**

报告人: Prof. XuanThinh Duong
(Macquarie University)

报告时间: 2016-12-27 星期二 9:00-11:20

报告地点: 光华东主楼 1501

摘要: We show how to improve the Hörmander condition to obtain the weak type (1,1) estimate for certain singular integrals whose kernels are not smooth enough so that the operators do not belong to the standard class of Calderón-Zygmund operators. Applications include estimates on some singular integrals acting on a domain Ω of \mathbb{R}^n with rough boundaries so that Ω does not satisfy the doubling volume condition.



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