



复旦大学数学科学学院

数学综合报告会

报告题目: Approximation of variational problems with convexity and twisted Harnack inequality

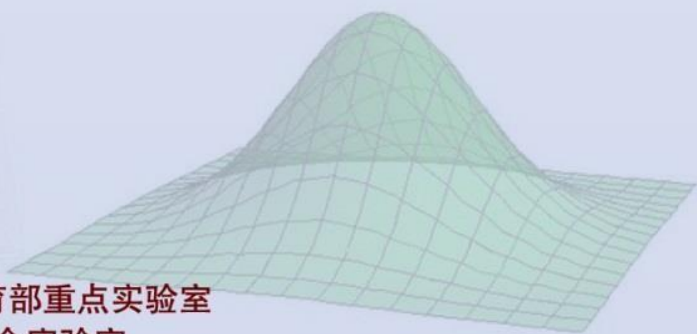
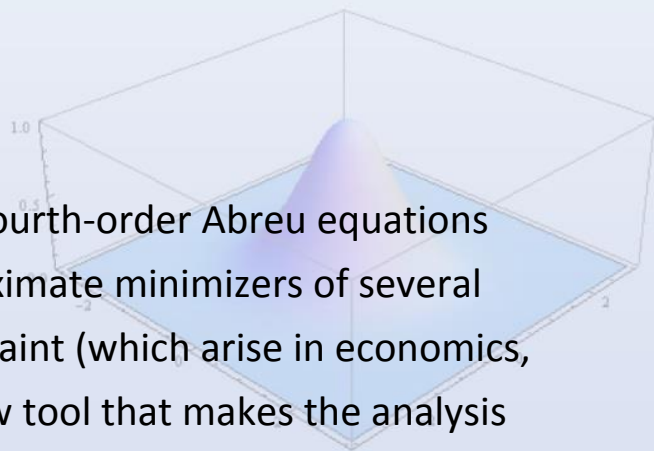
报告人: Professor Le, Nam Quang (Indiana University Bloomington)

时间: 2024-07-22 星期一 10:30-11:30

地点: 光华东主楼2001

报告摘要:

In this talk, we explain how to use singular fourth-order Abreu equations (which arise in complex geometry) to approximate minimizers of several variational problems with a convexity constraint (which arise in economics, elasticity, and physics). We will discuss a new tool that makes the analysis possible: a Harnack inequality for singular elliptic equations that satisfy certain twisted structures.



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