



复旦大学数学科学学院 数学综合报告会

报告题目: A monotone property of the ground state energy to the scalar field equation and applications

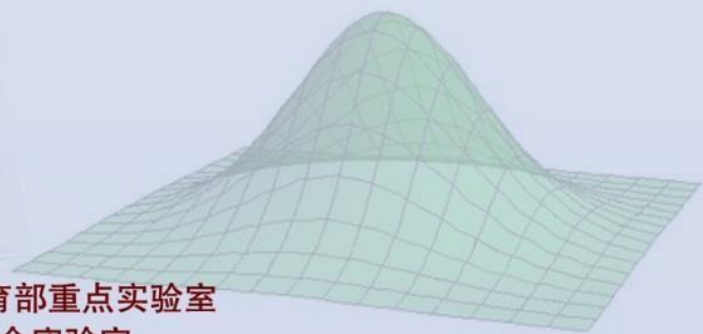
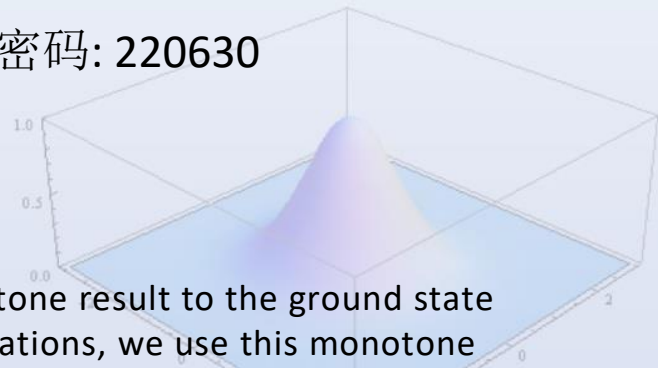
报告人: 姬超 (华东理工大学)

时间: 2022-06-30 星期四 14:00-15:00

地点: 腾讯会议 ID: 628 233 921 密码: 220630

报告摘要:

In this talk, we will introduce a new monotone result to the ground state energy to the scalar field equation. As applications, we use this monotone property to show the existence and concentration behavior of positive ground state solutions and least energy sign-changing solutions for the singularly perturbed elliptic equation with the variable exponent. This is a joint work with Professor Zhi-Qiang Wang and Dr. Yuanze Wu.



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