



复旦大学数学科学学院 数学综合报告会

报告题目: Sharp geometric inequalities and partial differential equations: a Helgason-Fourier approach

报告人: 李俊钢 (Brown university, Tamarkin Assistant professor)

时间: 2022-01-14 星期五 11:00—11:40

地点: 复旦大学光华楼东主楼2201室、腾讯会议755107231

报告摘要:

In recent years, the Helgason-Fourier analysis theory has been proved to be powerful in the study of sharp geometric inequalities and PDEs. In this talk, I will report our recent progress of applying this theory to the study of some Hardy-Adams inequalities and a higher order version of Brezis-Nirenberg problems on hyperbolic spaces. This is a joint work with G. Lu and Q. Yang.

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