复旦大学数学科学学院

数学综合报告会

报告题目：Heisenberg uniqueness pair and related uniqueness problems

报告人：　　　　　　　　（　　　　）

时间：2025-07-11　　　　　15:30-16:30

地点：　　　　　　900-630-246

报告摘要：

摘要：The concept of a Heisenberg uniqueness pair (Γ, Λ), defined for a curve Γ and set Λ in the plane, was first introduced by Hedenmalm and Motes-Rodríguez (2011) as a variant of the uncertainty principle for the Fourier transform.

In this talk, we will introduce the work of Hedenmalm et al. on Heisenberg uniqueness pairs and some recent progress on this topic. Additionally, we will discuss closely related Fourier uniqueness pairs as well as Viazovska's theory of Fourier interpolation.

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