



北京理工大学

数学与统计学院学术报告

The scaling-critical electromagnetic Schrödinger operator in 2D

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地点: 文萃楼E 409

摘要:

In this talk, we study the scaling-critical electromagnetic Schrödinger operator in 2D, involving the Aharonov-Bohm model as a main example. Especially, we will talk about the dispersive estimates, the uniform resolvent estimates and Bochner-Riesz means and L_p -boundedness of intertwining operators. This talk is based on a series of joint works with Xiaofen Gao, Luca Fanelli, Xiaoyan Su, Ying Wang, Zhiqing Yin and Junyong Zhang.

报告人简介: 郑继强，应用物理与计算数学研究所研究员，长期研究偏微分方程与调和分析领域，在Math Ann., Adv. Math, AIHP, JFA等国际权威学术期刊上发表文章数十篇。