

國立中正大學數學系
暨應用數學碩士班、統計科學碩士班
學術演講

Quantum Unique Ergodicity (QUE) Conjecture
and the Second Moments of Hecke-Maass Forms
for $SL(3, \mathbb{Z})$

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Abstract

QUE conjecture is a central problem in the fields of number theory and quantum chaos. It is formulated by Zeev Rudnick and Peter Sarnak in 1994. QUE conjecture says that the large frequency eigenfunctions of the Laplacian are equidistributed, when they are on a negatively curved manifold. In this talk, I will introduce QUE conjecture and my work on the analogue of QUE conjecture for a rank 2 group. An identity and upper bound for the second moments of Hecke-Maass forms for $SL(3, \mathbb{Z})$ will be mentioned. This is a joint work with my doctoral advisor, Professor Xiaoqing Li.

日期:111年12月21日(星期三) 16:10~17:00

地點:本校數學館527教室 (嘉義縣民雄鄉大學路168號)

茶會: 15:30~16:00數學館四樓409室舉行

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