

國立清華大學數學系訪問學者學術演講

NTHU Department of Mathematics

Visiting Scholar Colloquium

- 講題 A $GL(3)$ Analog of Selberg's Result on $S(t)$
- 講者 Prof. Sheng-Chi Liu (Washington State University)
- 時間 2023.7.25 (Tue.) 10:30 – 11:30
- 地點 Lecture Room B, 4F, General Building III
- 茶會 10:00, Room 707, General Building III

Abstract

The function $S(t)$ appears in an asymptotic formula for counting the number of nontrivial zeros of the Riemann zeta function with imaginary part less than t . It was shown by Littlewood that the function has a lot of cancellations on the average over t . Selberg studied the moments of $S(t)$ and the moments of the analog function associated with a Dirichlet L -function for a primitive Dirichlet character. A $GL(2)$ analog of Selberg's result was proved by Hejhal and Luo. In this talk we will discuss a $GL(3)$ analog of such results. This is joint work with Shenhui Liu.

歡迎參加，敬請張貼

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