

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 Fourier Transforms for Representations of Reductive Lie Groups

講者 Prof. Jing-Song Huang
(Chinese University of Hong Kong)

時間 2023.8.15 (Tue.) 15:00 – 16:00

地點 Lecture Room B, 4F, General Building III

茶會 14:30, Room 707, General Building III

Abstract

The classical Fourier transform on functions on the n -dimensional Euclidean space can be identified with a unitary operator associated with the oscillator representation of the symplectic Lie algebra $sp(2n, \mathbb{R})$. We describe how to identify this operator from the action of elements in the symplectic group. We also discuss the elements corresponding to the Fourier transforms defined by non-definite bilinear forms.

歡迎參加，敬請張貼

<http://www.math.nthu.edu.tw>