THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Theta correspondence and unitary representations

by

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Abstract

With its origin in Weil's representation theoretic formulation of the theory of Ө-series, the theta correspondence, introduced and expounded by R. Howe, has been a major method of constructing automorphic forms of groups over number fields, or admissible representations of groups over local fields. In this lecture, I will introduce its local theory and outline some of the key applications towards unitary representation theory.

Date : **5 January 2024 (Friday)**
Time : **3:00pm – 4:00pm**
Venue : **Room 2463 (Lifts 25/26)**

All are Welcome!