THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

MATHEMATICS COLLOQUIUM
(joint with IAS Lecture)

Some theorems in the representation theory of classical Lie groups

By

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Abstract

After introducing some basic notions in the representation theory of classical Lie groups, I will explain three results in this theory: the multiplicity one theorem for classical groups, the conservation relation for local theta correspondence, and the non-vanishing hypothesis at infinity for Rankin-Selberg convolutions. Some relevant or consequent results will also be explained.

Date : **8 November 2024 (Friday)**

Time : **3:00pm – 4:00pm**

Venue : **Lecture Theater D (near Lift 22)**

All Are Welcome!