

**Lie Groups and Representation Theory Seminar
at the University of Tokyo**

リ一群論・表現論セミナー

- DATE May 1 (Tue), 2007, 16:30–18:00
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Masatoshi Iida (飯田正敏)** (Josai University)
- TITLE Harish-Chandra expansion of the matrix coefficients of P_J
Principal series Representation of $Sp(2, \mathbb{R})$
- ABSTRACT Asymptotic expansion of the matrix coefficients of class-1 principal series representation was considered by Harish-Chandra. The coefficient of the leading exponent of the expansion is called the c -function which plays an important role in the harmonic analysis on the Lie group.
In this talk, we consider the Harish-Chandra expansion of the matrix coefficients of the standard representation which is the parabolic induction with respect to a non-minimal parabolic subgroup of $Sp(2, \mathbb{R})$.
This is the joint study with Professor T. Oda.