

Lie Group and Representation Theory Seminar Kyoto 2007

Date: February 8 (Thu), 2007, 12:15–13:00
Place: Room 402, RIMS, Kyoto University
Speaker: 真野 元 氏 Gen Mano (RIMS)
Title: The unitary inversion operator for the minimal representation of the indefinite orthogonal group $O(p, q)$.

Abstract: The L^2 -model of the minimal representation of the indefinite orthogonal group $O(p, q)$ ($p + q$ even, greater than four) was established by Kobayashi-Orsted (2003). In this talk, we present an explicit formula for the unitary inversion operator, which plays a key role for the analysis on this L^2 -model. Our proof uses the Radon transform of distributions supported on the light cone.

Organizer: Toshiyuki Kobayashi (RIMS)
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