

Lie Group and Representation Theory Seminar Kyoto 2006

Date: March 17 (Fri), 2006, 17:00–18:00

Place: RIMS, Kyoto University : Room 402

Speaker: Peter E. Trapa (University of Utah)

Title: Shimura correspondences for split real groups

Abstract:

Suppose G is a split real reductive Lie group (like $SL(2, R)$, for instance). Then G admits an essentially unique nonlinear two-fold double cover.

In the past few years, Barbasch and Barbasch-Ciubotaru have given a striking description of the spherical unitary dual of G .

The point of this talk is to recall their results and then show how they can be used to give very precise information about the unitary dual of the double cover of G .

The relationship between unitary representations of G and its double cover is the Shimura correspondence of the title. This talk represents joint work with Jeffrey Adams, Dan Barbasch, Annegret Paul, and David Vogan.

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