

abstract

JOINT IAS/PU NUMBER THEORY

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

A period of an automorphic form on a reductive group G over a number field is defined by its integral over a subgroup H of G . Such periods are often related to special values of automorphic L-functions. In this talk, we present a conjecture in the case of special orthogonal groups, which can be regarded as a refinement of the global Gross-Prasad conjecture about the restriction of automorphic representations of $SO(n+1)$ to $SO(n)$. If time permits, we also discuss a relation of our conjecture to Arthur's conjecture on the multiplicity of representations in the space of automorphic forms. This is a joint work with Tamotsu Ikeda.