

Speaker: Atsushi Ichino

Title: Regularized periods of automorphic forms

Abstract: Following Jacquet, Lapid and Rogawski, we define a regularized period of an automorphic form on $GL(n+1) \times GL(n)$ along the diagonal subgroup $GL(n)$ and express it in terms of the Rankin-Selberg integral of Jacquet, Piatetski-Shapiro and Shalika. This extends the theory of the Rankin-Selberg integrals to all automorphic forms on $GL(n+1) \times GL(n)$. We also discuss the case of unitary groups and give some application to the global Gan-Gross-Prasad conjecture in the endoscopic case. This is a joint work with Shunsuke Yamana.