

Department of Mathematics, BGU

AGNT

On Wednesday, November ,27 2019

At 15:10 – 16:25

In 101-

Hengfei Lu (Weizmann)

will talk about

The Prasad conjecture

Abstract: Period Problem is one of the most popular interesting problems in recent years, such as the Gan-Gross-Prasad conjectures. In this talk, we mainly focus on the local period problems, so called the relative Langlands programs. Given a quadratic local field extension E/F and a quasi-split reductive group G defined over F with associated quadratic character χ_G , let π be an irreducible admissible representation of $G(E)$. Assume the Langlands-Vogan conjecture. Dipendra Prasad uses the enhanced L-parameter of π to give a precise description for the multiplicity $\dim \text{Hom}_{G(F)}(\pi, \chi_G)$ if the L-packet Π_π contains a generic representation. Then we can verify this conjecture if $G = \text{GSp}(4)$.

Please Note the Unusual Time!