

Speaker: Miao (Pam) Gu

Title: Automorphic-twisted summation formulae for pairs of quadratic spaces

Abstract: Motivated by the conjectures of Braverman-Kazhdan, Lafforgue, Ngô and Sakellaridis, we prove a summation formula for certain spaces of test functions on the zero locus of a quadratic form. The functions are built from the Whittaker coefficients of automorphic representations on GL_n . I'll also talk about the computation for the local factors where all the data are unramified.