

Meeting: 1004, Bowling Green, Kentucky, SS 9A, Special Session on L-Functions

1004-43-145 **Jeffrey Hakim*** (jhakim@american.edu), Department of Mathematics and Statistics, American University, 4400 Massachusetts Avenue, NW, Washington, DC 20016-8050. *Distinguished Tame Supercuspidal Representations.*

This talk involves joint work with Fiona Murnaghan. Let F be a nonarchimedean local field of characteristic zero and let G be a connected reductive F -group. Given an irreducible tame supercuspidal representation π of $G(F)$ and a subgroup H which is the fixed points of an F -automorphism of G of order two, we describe how to compute the space $\text{Hom}_{H(F)}(\pi, 1)$ of linear forms λ on the space of π such that $\lambda(\pi(h)v) = \lambda(v)$, for all $h \in H(F)$ and all v in the space of π . (Received January 23, 2005)