

abstract

JOINT IAS/PU NUMBER THEORY SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

We fix F a local non archimedean field of characteristic zero. Let G the points over F of an algebraic reductive group defined over F and s a rational involution of G defined over F . We denote by H the group of fixed points of G under the action of s and by $X(G,s)$ the identity component of the set of complex characters of G antiinvariant under the action of s .

Let P be a s -parabolic subgroup of G , which means that the intersection M of P with $s(P)$ is a s -stable Levi-subgroup of P . We construct for each irreducible, smooth, representation r of M , a rational family of H -invariant linear forms on the smooth induced representation $\text{ind}(P,G, r)$ above the algebraic variety $X(G,s)$.

Our main trick is the use of homology of groups.