

abstract

MEMBERS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

In this talk, we will give explicit examples of Langlands correspondence for reductive groups over the rational function field $F=k(t)$. Fixing appropriate local ramifications, it is sometimes possible to write down explicit Hecke-eigenforms using the combinatorics of the affine Weyl group. Some of these examples give interesting Galois representations, for example, those with Zariski dense image in E_7 , E_8 , F_4 and G_2 , and hypergeometric local systems. We will see how ideas from geometric Langlands correspondence help understand the more "classical" Langlands correspondence.

This is joint work with J. Heinloth and B-C. Ngo.