

abstract

TOWARDS 2-DIMENSIONAL GEOMETRIC LANGLANDS DUALITY

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

In this talk we plan to define and study the spherical Hecke algebra for (untwisted) affine Kac-Moody groups over a local non-archimedean field.

We shall prove a generalization of the Satake isomorphism for these algebras, relating it to integrable representations of the Langlands dual affine Kac-Moody group. If time permits, we might discuss how these results can be used to define and study the notion of Hecke eigenfunction in the affine case.

This is a joint work with D.Kazhdan.