

Séminaire Groupes Réductifs et Formes Automorphes

Le 18 décembre 2017 à 10h30 (Jussieu)

Fargues' conjecture in the GL_2 -case (joint with N. Imai).

Exposé de Ildar Gaisin
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Résumé :

Recently Fargues announced a conjecture which attempts to geometrize the (classical) local Langlands correspondence. Just as in the geometric Langlands story, there is a stack of G -bundles and a Hecke stack which one can define. The conjecture is based on some conjectural objects, however for a cuspidal Langlands parameter and a minuscule cocharacter, we can define every object in the conjecture, assuming only the local Langlands correspondence. We study the geometry of the non-semi-stable locus in the Hecke stack and as an application we will show the Hecke eigensheaf property of Fargues conjecture holds in the GL_2 -case and a cuspidal Langlands parameter.