

九大代数学セミナー

[通常と曜日が異なります](#)

日時 2019年1月15日(火) 16:00-17:00

場所 九州大学伊都キャンパス ウエスト1号館 5階 C-512 中講義室

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講演者： Ildar Gaisin 氏 (東京大学)

- “Fargues’ conjecture in the GL_2 -case”
- 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. This is joint work with Naoki Imai.

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