First Kyushu Joint Seminar *

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(IHES)

Introduction to the Langlands programme

Kyushu University

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Abstract

The purpose of the talk will be to present the Langlands programme as a set of conjectures linking together two (or even three) mathematical theories which are a priori completely different :

– the theory of the finite separable extensions of a base field which happens to be a global field,

– the conjectural theory of pure motives over such a global field, related to the previous theory through the l-adic cohomology functors,

– the theory of automorphic representations of linear groups (or more generally reductive groups) over such a field.

Venue

Lecture Room L1,

Faculty of Mathematics,

Kyushu University,

Motooka 477, Nishiku,

Fukuoka

∗ **This is also a joint event with the Colloquium of Faculty of Mathematics, Kyushu University.**

About Kyushu Joint Seminar:

The idea could be traced back to many decades. Thanks to the Kyushu Shinkansen, now it becomes practically possible. We hope that the Q-semi, nick name for the KJS, would provide a common platform for these interested to act, participate and play, with the aim to promote the mathematical activities in big Kyushu area.

The organizer committee consists of four, Takashi Ichikawa (ichikawa@ms.saga-u.ac.jp), Fumiharu Kato (kato@sci.kumamoto-u.ac.jp), Kunio Obitsu (obitsu@sci.kagoshima-u.ac.jp), and Lin Weng (weng@math.kyushu-u.ac.jp).

If you have good candidate for speaker, please feel free to contact us: It should not be bounded by our research fields. Currently, we would like to arrange the Q-semi 2-4 times a year in Kyushu area.