

Arithmetic geometry and p -adic differential equations

July 1st - 3rd, 2010

Kawai Hall in Mathematical Institute, Tohoku University

We are organizing a conference on arithmetic geometry and p -adic differential equations, supported by Grant-in-Aid for Scientific Research (B), 22340001. The access to Mathematical Institute, Tohoku University is found in the webpage (<http://www.math.tohoku.ac.jp/access/index.html>).

Program

July 1st, Thursday

14:45 – 15:45 Shigeki Matsuda (Chiba)

Abbes-Saito filtration and Chiristol Mebkhout filtration

16:00 – 17:00 Kazuaki Miyatani (Tokyo)

Finiteness of crystalline cohomology of higher level

July 2nd, Friday

10:00 – 11:00 Noriyuki Otsubo (Chiba)

Ceresa cycles of Fermat curves

11:15 – 12:15 Kentaro Mitsui (Kyoto)

Classification of rigid analytic surfaces

14:15 – 15:15 Bruno Chiarellotto (Padova)

Compact support rigid syntomic cohomology

15:30 – 16:30 Hironori Shiga (Waseda)

A new interpretation of a Shimura curve via Appell's hypergeometric differential equation

16:45 – 17:45 Takeshi Tsuji (Tokyo)

p -adic perverse sheaves and arithmetic D -modules on a curve

19:00 – Reception

July 3rd, Saturday

10:00 – 11:00 Kenichi Bannai (Keio)

p -adic Beilinson conjecture for ordinary Hecke motives associated to imaginary quadratic fields

11:15 – 12:15 Atsushi Shiho (Tokyo)

Purity for overconvergence

Organizer : Nobuo Tsuzuki (Tohoku)