

Atelier de Géométrie Arithmétique

数論幾何学のアトリエ

Kyōto, Japan [RIMS] and Paris, France - Winter 2024: A one-day Workshop



Around the Grothendieck-Teichmüller group

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Abstract

This workshop will present the arithmetical construction of the Grothendieck-Teichmüller group GT such as given by Y. Ihara (1991), to reach a practical understanding of the recent breakthrough via combinatorial anabelian geometry initiated by Hoshi, Minamide and Mochizuki (2017).

List of Talks

Talk 1 – The classical Grothendieck-Teichmüller group

Talk 2 – Log geometry and compactification of $\mathcal{M}_{g,m}$

Talk 3 – Some techniques of anabelian geometry

Talk 4 – An anabelian description of GT

The AHGT Ateliers are one-day events organized by and for early-career researchers to discover and get a working understanding of both fundamental and hot topics in Arithmetic and Homotopic Galois Theory.

For program, information and registration, see the AHGT website:

[https://ahgt.math.cnrs.fr/activities/ateliers/AGA24-around GT/](https://ahgt.math.cnrs.fr/activities/ateliers/AGA24-around-GT/)

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