

Online Seminar

Sept. 2020

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2021 April

Promenade in Inter-Universal Teichmüller Theory

Organizers

Kyoto: B. Collas

Lille: P. Dèbes, B. Fresse

Topics & Talks

Diophantine Geometry

Abc & Szpiro conjectures: *Roth's Theorem & Belyi* - Abc & Vojta Conjectures: *Heights & Ramification* - From Vojta to Mochizuki: *Moduli Spaces of Elliptic Curves*.

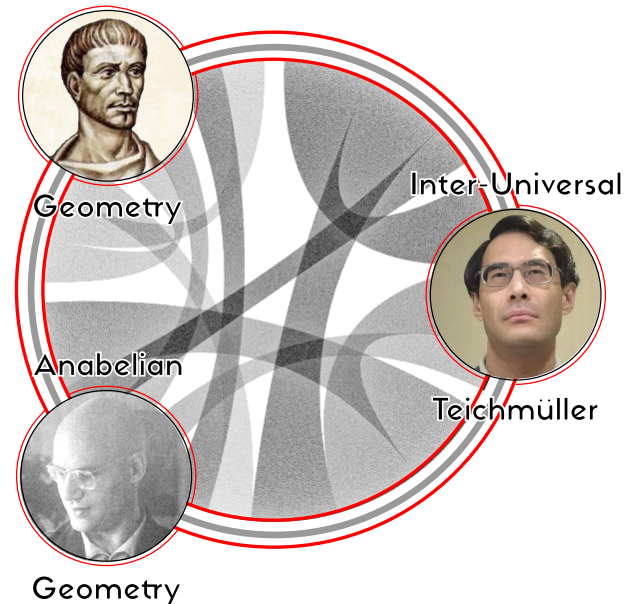
Anabelian Geometry

Relative Bi-anabelian Geometry: *Towards mono-anabelian* - Tempered Anabelian Geometry: *Combinatorial Geometry* - IUT Absolute: *Mono-anabelian Reconstructions*.

IUT Geometry

Hodge Theaters: *Apparatus for Global Multiplicative Subspaces* - Cyclotomic Rigidity & Multiradiality: LCF, coricity & Mono-theta Environments - Log-Theta Lattices & Symmetries: *Indeterminacies, log-shell & Multiradiality*.

Diophantine



Speakers & Participants. N. Borne (Lille, FR) - R. Cluckers (Lille - Leuven, FR) - B. Collas (RIMS Kyoto, JP) - P. Dèbes (Lille, FR) - B. Fresse (Lille, FR) - J. Hauseux (Lille, FR) - Y. Hoshi (RIMS Kyoto, JP) - A. Minamide (RIMS Kyoto, JP) - Porowski (Nottingham, UK) - L. Ramero (Lille, FR) - K. Sawada (Osaka, JP) - S. Tsujimura (RIMS Kyoto, JP) - Wakabayashi (Tokyo) - ...



Programme & Registration
<http://www.kurims.kyoto-u.ac.jp/~bcollas/IUT/>
Schedule & References

This workshop is intended for non-experts and young researchers in *arithmetic geometry*, with the goal to serve as a guide towards a general understanding of results, insights and techniques of *Mochizuki's Inter-Universal Teichmüller Geometry*. The programme thrives on the interconnection of IUT with *Diophantine* and *anabelian geometry*. Contact the organizers for participation.