

Branched Coverings, Degenerations, and Related Topics 2019

2019. 3. 5 (Tue) – 8 (Fri)

Graduate School of Science, Hiroshima University (Higashi-Hiroshima Campus)

ROOM: E104 (3/5-3/7) B707 (3/8)

Organizers: O. Saeki, M. Sakuma, I. Shimada, H. Tokunaga, M. Yoshinaga

5 March (Tue)

10:00–11:00 Thang Le (Georgia Institute of Technology)

Growth of torsion homology in finite coverings (1)

11:20–12:20 M. Ishikawa (Keio)

Positive flow-spines and contact 3-manifolds

Lunch

13:50–14:50 T. Akita (Hokkaido)

Central extensions of Coxeter groups and Artin groups

15:10–16:10 N. Takahashi (Hiroshima)

Modules on quandle spaces and representations of LY algebras

16:30–17:30 Y. Iijima (Hiroshima)

On an exact sequence relating the combinatorial anabelian geometry of hyperbolic curves

6 March (Wed)

10:00–11:00 H. Abe (Osaka Prefecture)

On weak Fano Hessenberg varieties

11:20–12:20 Thang Le (Georgia Institute of Technology)

Growth of torsion homology in finite coverings (2)

Lunch

13:50–14:50 S. Tsujie (Hiroshima Kokusai Gakuin)

Collections of Unit Ball Graphs and Embeddable Finite Metric Spaces

15:10–16:10 Elisa Palezzato (Hokkaido)

On the freeness of hyperplane arrangements over arbitrary fields

16:30–17:30 K. Hayano (Keio)

New counterexamples to Stipsicz's conjecture on fiber-sum indecomposable Lefschetz fibrations

7 March (Thu)**10:00–11:00** Artal Bartolo (Zaragoza)

Cyclotomic Zariski tuples with abelian fundamental group. From the pair to the complement

11:20–12:20 T. Watanabe (Shimane)Some exotic nontrivial elements of the rational homotopy groups of $\text{Diff}(S^4)$ (1)

Lunch

13:50–14:50 Dominik Wrazidlo (Kyushu)

Time-interacting fields and actions in positive topological field theories

15:10–16:10 M. Enokizono (Osaka)

Slope inequality for fibered surfaces and Durfee's conjecture for surface singularities

16:30–17:00 M. Yamamoto (Tokyo Metropolitan)

On the topology of arrangements for a smooth plane quartic and its bitangent lines

17:00–17:30 N. Ojio (Hiroshima)

Rational curves on a smooth Hermitian surface

Party

8 March (Fri)**10:00–11:00** T. Watanabe (Shimane)Some exotic nontrivial elements of the rational homotopy groups of $\text{Diff}(S^4)$ (2)**11:20–12:20** S. Fujimori (Okayama)

Limits of periodic minimal surfaces