

Branched Coverings, Degenerations, and Related Topics 2010

2010. 3. 8 (Mon)- 12 (Fri)

Graduate School of Advanced Sciences of Matter 401N, Hiroshima University

Organizers: Y. Matsumoto, T. Ashikaga, M. Sakuma, H. Tokunaga, I. Shimada

8 March (Mon)

10:00-11:00 A'Campo (University of Basel)

Lagrangian polyhedra, symplectic thickenings and monodromy of singularities I

11:15-12:15 E. Artal Bartolo (University de Zaragoza)

Characteristic varieties of quasi-projective varieties

14:00-15:00 A. Degtyarev (Bilkent University)

Hurwitz equivalence of braid monodromies and extremal elliptic surfaces

15:15-16:15 Y. Sato (Yamaguchi)

An attempt to introduce the notion of Iitaka-Kodaira dimensions into Lefschetz fibrations

16:30-17:30 M. Murakami (Padova)

On the period map of certain surfaces of general type

9 March (Tue)

09:50-10:40 A'Campo (University of Basel)

Lagrangian polyhedra, symplectic thickenings and monodromy of singularities II

10:50-11:40 Mednykh (Novosibirsk State University)

Counting branched covering and maps on Riemann surfaces

11:50-12:20 Ilya Mednykh (Novosibirsk State University)

Holomorphic maps between Riemann surfaces of small genera

14:00-15:00 K. Konno (Osaka)

On surface singularities of degree one

15:15-16:15 N. Monden (Osaka)

On roots of Dehn twists

16:30-17:30 H. Goda (Tokyo Univ. of Agriculture and Technology) T. Sakasai (Tokyo Institute of Technology)

Johnson-Morita homomorphism and homological fibered knots

10 March (Wed)

09:50-10:40 Mednykh (Novosibirsk State University)

Volumes of polyhedra in spaces of constant curvature

10:50-11:40 A'Campo (University of Basel)

Lagrangian polyhedra, symplectic thickenings and monodromy of singularities III

11:40-12:10 poster

14:00-15:00 H. Matsuda (Hiroshima)

On transversely and Legendrian non-simple knot types

15:15-16:15 K. Yasui (RIMS)

On corks of 4-manifolds (joint work with Selman Akbulut)

16:30-17:30 S. Kamada (Hiroshima)

Surface-links and 2-dimensional braids

18:00- Party

11 March (Thu)

10:00-11:00 Mednykh (Novosibirsk State University)

Volumes of knot and link cone-manifolds in spaces of constant curvature

11:15-12:15 V. T. Khoi (Institute of Mathematics in Hanoi)

Dilogarithm identities from Chern-Simons invariants

14:00-15:00 Y. Kabaya (Osaka City University) A. Inoue (Tokyo Institute of Technology)

The volume and the Chern-Simons invariant of a $PSL(2, \mathbb{C})$ -representation and quandle homology

15:15-16:15 K. Ahara (Meiji) I. Awata (Meiji)

On the global monodromy of a fibration of the Fermat surface of degree n

16:30-17:30 S. Kojima (Tokyo Institute of Technology)

Entropy versus Volume (joint work with E. Kin and M. Takasawa)

12 March (Thu)

Free discussions