

Branched Coverings, Degenerations, and Related Topics

2009. 3. 9 (Mon)- 12 (Thu) Department of Mathematics, Hiroshima University, B707

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

9 March (Mon)

- 10:00-11:00 J. M. Montesinos (Universidad Complutense de Madrid)
Lectures on classical branched coverings and universal groups I
- 11:20-12:20 Y. Matsumoto (Gakushuin)
Degeneration of pointed spheres (A topological interpretation)
- 13:50-14:50 Y. Yamada (Denki-Tsushin)
Dehn surgery along A'Campo's divide knots, Lens spaces and plane curves
- 15:10-16:10 S. Hirose (Saga)
Realization of the mapping class group of 3-dimensional handlebody by diffeomorphisms
- 16:30-17:30 M. Sakuma (Hiroshima)
Epimorphisms among 2-bridge knot groups and related problems

10 March (Tue)

- 10:00-11:00 J. M. Montesinos (Universidad Complutense de Madrid)
Lectures on classical branched coverings and universal groups II
- 11:20-12:20 M. Oka (Tokyo Univ. of Science)
On the topology of non-degenerate mixed singularity
- 13:30-14:00 Poster session
- 14:00-15:00 M. Ishikawa (Tohoku)
Contact structures of Seifert links and their cablings
- 15:15-16:00 I. Awata (Meiji)
On the monodromy of a fibration of the Fermat surface (joint work with K. Ahara)
- 16:20-16:50 M. Kawashima (Tokyo Univ. of Science)
On the fundamental group of the complement of linear torus curves of maximal contact
- 17:00-17:30 T. Shirane (Tokyo Metropolitan)
Resolution of singularities of certain 4-fold covers in dimension 2
- 18:30- Party

11 March(Wed)

- 10:00-11:00 J. M. Montesinos (Universidad Complutense de Madrid)
Lectures on classical branched coverings and universal groups III
- 11:20-12:20 H. Tokunaga (Tokyo Metropolitan)
Splitting curves in double covers
- 13:30-14:00 Poster session
- 14:00-15:00 Y. Kuno (Univ. of Tokyo)
On the global monodromy of a Lefschetz fibration arising from the Fermat surface of degree 4
- 15:15-16:00 T. Takahashi (Ichinoseki)
Algebraic surfaces with pencils of non-hyperelliptic curves of genus 4
- 16:20-16:50 Y. Yaguchi (Hiroshima)
Hurwitz orbits of braid systems of “standard” type, and its application to braided surfaces
- 17:00-17:30 Y. Jang (Hiroshima)
Algebraic links with 3-bridge presentations

12 March (Thu)

- 10:00-11:00 H. Yoshihara (Niigata)
Galois embedding of elliptic curve and abelian surface
- 11:20-12:20 H. Endo (Osaka)
Lantern relations and rational blowdowns
- 13:50-14:50 S. Takamura (Kyoto)
Singular fibers of degenerations of Riemann surfaces
- 15:10-16:10 T. Ashikaga (Tohoku Gakuin)
A certain fiber germs of curves and moduli map
- 16:30-17:30 M. Namba (Otemon)
On moduli of algebraic functions as branched coverings