Branched Coverings, Degenerations, and Related Topics 2016

2016. 3. 7 (Mon)- 10 (Thu) Department of Mathematics, Hiroshima University, E104

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

7 March (Mon)

10:00-11:00 Michel Boileau (Marseille)

Profinite completions of finitely generated groups

11:20-12:20 Tetsuji Shioda (Rikkyo)

An elementary algorithm for constructing a cubic surface together with the 27 lines

13:50-14:50 Takahiro Kitayama (Tokyo Institute of Technology)

Representation varieties detect essential surfaces

15:10-16:10 Yusuke Kuno (Tsuda College)

On algebraic description of the Goldman-Turaev Lie bialgebra

16:30-17:00 Khulan Tumenbayar (Tokyo Metropolitan)

Integral section of certain rational elliptic surfaces and contact conics for

an irreducible 3−nodal quartics

17:00-17:30 Hoang Thanh Hoai (Hiroshima)

Degeneration of Fermat hypersurfaces in positive characteristic

8 March (Tue)

10:00-11:00 Tetsuji Shioda (Rikkyo)

Mordell-Weil lattice of higher genus fibration on a Fermat surface

11:20-12:20 Michel Boileau (Marseille)

Profinite completions of 3-manifold groups

13:50-14:50 Naohiko Kasuya (Aoyama Gakuin)

Non-Kaehler complex structures on $\mathbb{R}^4$

15:10-16:10 Yoshikazu Yamaguchi (Akita)

Reidemeister torsion and exceptional surgeries along the figure eight knot

16:30-17:00 Takuya Katayama (Hiroshima)

RAAGs in knot groups

17:00-17:30 Naoki Sakata (Hiroshima)

Veering structures of the canonical decompositions of the hyperbolic

fibered two-bridge link complements

9 March(Wed)

10:00-11:00 Enrique Artal Bartolo (Zaragoza)
          Resonant characters for rational arrangements (tentative)

11:20-12:20 Michel Boileau (Marseille)
          Profinite completions of knot groups

13:50-14:50 Tomokuni Takahashi (Ichinoseki College)
          Non-hyperelliptic fibration of genus 4 containing certain degenerate fibers

15:10-16:10 Akane Nakamura (The University of Tokyo)
          Autonomous limit of the 4-dimensional Painleve-type equations and degeneration
          of curves of genus two

16:30-17:30 Makoto Enokizono (Osaka)
          On the structure of hyperelliptic quasi-bundles

10 March (Thu)

10:00-11:00 Kouichi Yasui (Hiroshima)
          Corks, exotic 4-manifolds and knot concordance

11:20-12:20 Enrique Artal Bartolo (Zaragoza)
          Arithmetic Zariski pairs of line arrangements (tentative)