Branched Coverings, Degenerations, and Related Topics 2018

2018. 3. 5 (Mon) – 9 (Fri)

Graduate School of Science, Hiroshima University (Higashi-Hiroshima Campus) ROOM: E104

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

5 March (Mon)

10:00–11:00   Alex Degtyarev (Bilkent)

Towards the number of tritangents to a smooth sextic

11:20–12:20   Xin Lu (Mainz)

The slope of a fibred surface

Lunch

13:50–14:50   Takashi Ichikawa (Saga)

Examples of Teichmüller modular forms

15:10–16:10   Shigeki Matsutani (NIT, Sasebo College)

Sigma function of $y^3 = x^2(x - b_1)(x - b_2)$

16:30–17:30   Atsushi Ikeda (Tokyo Denki Univ.)

On the Hodge structures of double coverings of Kummer surfaces

6 March (Tue)

10:00–11:00   Xin Lu (Mainz)

Geometry of an irregular surface of general type

11:20–12:20   Masahiko Yoshinaga (Hokkaido)

Tutte polynomials in geometry and combinatorics (1)

Lunch

13:50–14:50   Mikami Hirasawa (Nagoya Inst. Tech.)

On the Distribution of Zeros of Alexander Polynomials of links

15:10–16:10   Katsumi Ishikawa (RIMS)

A quandle approach to Hoste's conjectur

16:30–17:30   Atsushi Ishii (Tsukuba)

An augmented Alexander matrix and an affine extension of a quandle

7 March (Wed)

10:00–11:00   Muhammed Uludag (Galatasaray)

Mapping class groupoids and Thompsons groups

11:20–12:20   Sang-hyun Kim (Seoul National Univ.)

Diffeomorphism Groups of One-Manifolds (1)

   Lunch

13:50–14:50   Masahiko Yoshinaga (Hokkaido)

Tutte polynomials in geometry and combinatorics (2)

15:10–16:10   Delphine Pol (Hokkaido)

Logarithmic forms along higher codimensional subspaces

16:30–17:30   Yuta Nozaki (Tokyo)

An invariant of 3-manifolds via homology cobordisms

       Party

8 March (Thu)

10:00–11:00   Sang-hyun Kim (Seoul National Univ.)

Diffeomorphism Groups of One-Manifolds (2)

11:20–12:20   Muhammed Uludag (Galatasaray)

Jimm, a fundamental involution

   Lunch

13:50–14:50   Iain Aitchison (ex Melbourne)

Construction of highly symmetric Riemann surfaces, related manifolds, and some exceptional objects (1)

15:10–16:10   Hironobu Naoe (Tohoku)

Shadow-complexity of corks and exotic pairs of 4-manifolds

16:30–17:30   Naoki Sakata (Hiroshima)

Veering triangulations of mapping tori of some pseudo-Anosov maps arising from Penner's construction

9 March (Fri)

10:00–11:00   Takuya Katayama (Hiroshima)

Certain right-angled Artin groups in mapping class groups

11:20–12:20   Iain Aitchison (ex Melbourne)

Construction of highly symmetric Riemann surfaces, related manifolds, and some exceptional objects (2)