Workshop「Knots and Manifolds」

JSPS Bilateral Joint Research Project (DST) 2014, "Knot invariants and geometric manifolds"

Dates: February 7 (Sat) – February 8 (Sun), 2015
Place: Osaka City University, Dept. of Mathematics, Sci. Bldg., E408

Program

February 7 (Sat)

10:00–10:30 Madeti Prabhakar (Indian Institute of Technology Ropar)
An unknotting operation using polynomial representation of non-compact knots

10:50–11:20 Taizo Kanenobu (Osaka City University)
Oriented Gordian distance of two-component links with up to six crossings

11:40–12:10 Kanako Oshiro (Sophia University)
On the minimum number of colors for knots and surface-knots

14:00–14:30 Yoshiro Yaguchi (Gunma National College of Technology)
Hurwitz action on tuples of standard generators of a braid group

14:50–15:20 Atsushi Ishii (University of Tsukuba)
The skein index and Fox p-colorings

15:50–16:20 Shin'ya Okazaki (OCAMI)
Graph for Alexander polynomial of handlebody-knot

16:40–17:10 Discussion

February 8 (Sun)

10:00–10:30 Vikash Siwach (Indian Institute of Technology Ropar)
Region unknotting number for 2-bridge knots

10:50–11:20 Kirandeep Kaur (Indian Institute of Technology Ropar)
Gauss diagrams for Spatial graphs

11:40–12:10 Takefumi Nosaka (Kyushu University)
The Blanchfield pairing of the torus knot

14:00–14:30 Naoko Kamada (Nagoya City University)
Invariants of twisted links and virtual links

14:50–15:20 Ayaka Shimizu (Gunma National College of Technology)
Describing knots by matrices via warping degree

15:50–16:20 Seonmi Choi (Kyungpook National University)
On the connected sum of a knotted surface and a standard real projective plane

Organizers: H. Akiyoshi, S. Kamada and S. Okazaki (Osaka City University)

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