

Singularity theory and geometric topology

RIMS-Sing 2 Workshop



Date : October 24th (Monday), 2022 – October 27th (Thursday), 2022
Venue : Room 420, Research Institute for Mathematical Sciences, Kyoto University, Japan.
HP : <http://www.math.kobe-u.ac.jp/HOME/saji/math/conf2022/spmon/index.html>

[Program]

October 24th (Monday)

- 14:40–15:30 Osamu Saeki (Kyushu University)
Special generic maps I
- 15:50–16:40 Seiichi Kamada (Osaka University)
Graphic descriptions of topological objects, I

October 25th (Tuesday)

- 9:30–10:20 Yuya Koda (Hiroshima University)
Singularity theory in the study of mapping class groups of Heegaard splittings, I
- 10:40–11:30 İnanç Baykur (University of Massachusetts Amherst/Harvard University)
Four-manifolds via singular fibrations - I
- 13:30–14:20 Osamu Saeki (Kyushu University)
Special generic maps II
- 14:40–15:30 Osamu Saeki (Kyushu University)
Singular fibers of generic maps I
- 15:50–16:40 Seiichi Kamada (Osaka University)
Graphic descriptions of topological objects, II

October 26th (Wednesday)

- 9:30–10:20 İnanç Baykur (University of Massachusetts Amherst/Harvard University)
Four-manifolds via singular fibrations - II
- 10:40–11:30 Osamu Saeki (Kyushu University)
Singular fibers of generic maps II
- 13:30–14:20 Osamu Saeki (Kyushu University)
Simplifying generic maps I
- 14:40–15:30 Jorge Martín-Morales (University of Zaragoza)
An overview of the algorithms for computing the Bernstein-Sato polynomial
- 15:50–16:40 Yuya Koda (Hiroshima University)
Singularity theory in the study of mapping class groups of Heegaard splittings, II

October 27th (Thursday)

- 9:30–10:20 Jorge Martín-Morales (University of Zaragoza)
Monodromy conjecture and zeta functions via resolution of singularities
- 10:40–11:30 Osamu Saeki (Kyushu University)
Simplifying generic maps II

Organizers:

Benoît Guerville-Ballé (Kyoto University, Research Institute for Mathematical Sciences)
Kentarō Saji (Kobe University)
Masatomo Takahashi (Muroran Institute of Technology),
Minoru Yamamoto (Hirosaki University)
Takahiro Yamamoto (Tokyo Gakugei University)
Kaoru Ono (Kyoto University, Research Institute for Mathematical Sciences)