

Singularity theory of differentiable maps and its applications

- Date: December 16th, 2024 December 18th, 2024
- Venue: Room 420, Research Institute for Mathematical Sciences, Kyoto University, Japan

HP: https://www.fit.ac.jp/~fukunaga/conf/sing202412.html

[Program]

December 16th (Monday)

10:30 - 11:20	Runa Shimada (Kobe University) Geometric deformations of cuspidal S_1 singularities
13:30 - 14:20	Liang Chen (Northeast Normal University) TBA
14:40 - 15:30	Hattori Yuki (Yokohama National University) Intrinsic invariants of $(3, 4)$ -cuspidal edges
15:50 - 16:30	Yuta Yamauchi (Yokohama National University) The total absolute curvature of submanifolds with singularities

December 17th (Tuesday)

9:30 - 10:20	Yashiro Kanon (Niigata university) Morse bipersistence modules and rectangle barcodes
10:40 - 11:30	Shinichi Tajima(Niigata university) Holonomic D-modules and singularities of holomorphic map germs
13:30 - 14:20	Goo Ishikawa (Hokkaido University) Phase singularity and criticality
14:40 - 15:30	Nakatsuyama Nozomi (Muroran Institute of Technology) Bertrand framed surfaces in the Euclidean 3-space and its applications
15:50 - 16:40	Yongqiao Wang (Dalian Maritime University) On envelopes created by circle families in the plane

December 18th (Wednesday)

9:30 - 10:20	Naoki Kitazawa (Kyushu University) Constructing real algebraic functions explicitly and their Reeb graphs
10:40 - 11:30	Takayuki OKUDA (Kogakuin University) Morsification for degenerations of Riemann surfaces of genus 6
13:30 - 14:20	Kentaro Saji (Kobe University) Normal form of D_4 minus singularity of fronts and its applications
14:40 - 15:30	Atsuki Hiramatsu (Saitama University) Parallel Surface of Cuspidal Cross Cap
15:50 - 16:40	Mahito Kobayashi (Akita University) Some pictorial reconstructions of the Boy surface
Sponsers: RIM	IS Symposia (open)

Organizers: Asahi Tsuchida (Shiga University) , Tomonori Fukunaga (Fukuoka Institute of Technology)