RIMS symposium

Research Trends on General Topology

and its Related Fields

June 2 -- 4, 2021
Online via Zoom

Program

(* Speaker)

June 2 (Wed)

12:50	Opening

13:00 -- 13:45   Takuma Imamura (RIMS, Kyoto University)

Sequential ends and nonstandard infinite boundaries of coarse spaces

14:00 -- 14:45   Takamitsu Yamauchi (Ehime University)

On transfinite asymptotic dimension

15:00 -- 15:45   Katsuya Eda (Waseda University)

Fundamental groups and topological structures of one-dimensional fractals

16:00 -- 16:45   Tatsuhiko Yagasaki (Kyoto Institute of Technology)

The uniform perfectness of diffeomorphism groups of open manifolds

June 3 (Thu) Morning Session

9:15 -- 10:00   Chong Zheng (Waseda University, D3)

Connection pairs of discrete Morse functions on a graph

10:15 -- 11:00   Kohei Tanaka (Shinshu University)

Combinatorial robot motion planning on finite spaces

11:15 -- 12:00   Ippei Obayashi (Okayama University)

Volume-optimal cycles and stable volumes for persistent homology

12:00 -- 13:10   Lunch break

June 3 (Thu) Afternoon Session

13:10 -- 13:55　　Matthew de Brecht (Kyoto University)

　　　　　　On constructing the space of valuations of a quasi-Polish space

14:10 -- 14:55　　Victor Hugo Yañez (Nanjing Normal University)

　　　　　　Interplay between continuous homomorphic images and the reflections of

　　　　　　a topological group

15:10 -- 15:55　　Yasushi Hirata* (Kanagawa University),

　　　　　　　　　Yukinobu Yajima (Kanagawa University)

　　　　　　On the extent of products of a monotonically normal space with a special

　　　　　　factor

16:10 -- 16:55　　Yasushi Hirata (Kanagawa University),

　　　　　　　　　Yukinobu Yajima* (Kanagawa University)

　　　　　　On an equality for the extent of Σ-products

June 4 (Fri)

9:15 -- 10:00　　Shousuke Ohmori (Waseda University)

　　　　　　Universal topological representation of geometric patterns

10:15 -- 11:00　　Eiichi Matsuhashi* (Shimane University)

　　　　　　　　　Takahiro Yamanaka (Hitachi Information Engineering)

　　　　　　Full Projection Property

11:15 -- 12:00　　Hisao Kato (University of Tsukuba)

　　　　　　Dynamical systems of Doubly 0-dimensional maps

12:00　　　　　　Closing

　　　　　　　　　　Organizer: Hayato Imamura (Waseda University)