Combinatorics & Topology Seminar at GIST

8th~9th July 2024

N4 (College Building A) - Room 229

8th (MON)

13:00~13:40 Sunhyuk Lim (Sungkyunkwan University)

Vietoris-Rips complex, hyperconvex space, and quantitative Borsuk-Ulam theorem

13:40~14:20 Woojin Kim (KAIST)

Persistence Diagrams at the Crossroads of Algebra and Combinatorics

14:20~15:00 Jongbaek Song (Pusan National Univeristy)

Polyhedral product and persistence module

15:00~15:30 Coffee Break

15:30~16:10 Jisu Kim (Seoul National University)

Homotopy Reconstruction via the Cech Complex and the Vietoris-Rips Complex

16:10~16:50 Kang-Ju Lee (Seoul National University)

Combinatorics and Optimization for Mapper in TDA

16:50~17:30 Jinha Kim (Chonnam National University)

Star clusters in independence complexes of hypergraphs

9th (TUE)

10:00~10:40 Minki Kim (GIST)

Some combinatorial properties of d-Leray complexes

Organized by

Minki Kim(minkikim@gist.ac.kr)

Sunhyuk Lim(lsh3109@skku.edu)

https://sites.google.com/view/k-topocomb2024/talks