

2021

Spring-2021

January 19th Organizational meeting

January 26th Dmitri Burago, Penn State University On some unsolved problems in Geometry and around

February 2nd Nikola Milicevic Simplicial and cubical homologies of closure spaces

February 9th Rustam Sadykov, Kansas State University, On non-orientable surfaces embedded in 4-manifolds

February 16th Jamie Scott, On the Topological Complexity of Maps

February 23rd Luca Di Cerbo On the Thick-Thin decomposition

March 2nd Steve Trettel, Stanford University Raymarching the Thurston Geometries: visual intuition for geometric topology in 3 dimensions

March 9th Jacek Brodzki, University of Southampton, UK Gyroscopes and topology

March 16th Alex Dranishnikov On Gromovs Scalar Curvature Conjecture

March 23rd Alex Elchesen Virtual Persistence Diagrams, Wasserstein Distance, and Universality

March 30th Iryna Hartsock Properties of the space of persistence diagrams

April 6th Phil Boyland Generalizing pseudoAnosov maps

April 13th Stefano Vidussi, UC Riverside Algebraic fibrations of surface-by-surface groups

April 20th Martina Scolamiero, KTH Extracting persistence features with hierarchical stabilisation

Fall-2021

August 31st Organizational meeting (on Zoom)

September 14th Xiaolong Hans Han, Yau Mathematical Center at Tsinghua University, Norms on cohomology of non-compact 3-manifolds and harmonic forms

September 21st Jamie Scott, Surgery Applications to Generalized Rudyaks conjecture

September 28th Kevin Knudson, Discrete Stratified Morse Theory

October 5th Hubert Wagner, Borsuk, Shannon, and Hebb walk into a bar: or on the topology of neural information processing

October 12th Johnathan Bush, VietorisRips metric thickenings

October 19th Johnathan Bush, VietorisRips metric thickenings.II

October 26th Robin Tucker-Drob, Dynamical alternating groups and inner amenability

November 2nd Luca Di Cerbo, Extended graph manifolds, and Einstein metrics

November 9th Michael Albanese, Universit du Qubec Montral (UQAM), The Yamabe Invariant of Complex Surfaces

November 16th Peter Bubenik, Multiparameter persistent homology via generalized Morse theory

November 30th Alex Dranishnikov, On Free Topological Groups

December 7th Lauren Wickman, On the universal minimal flow of the homeomorphism group of a Knaster continuum