

2022

Spring-2022

January 11th Organizational meeting

January 18th Justin Curry, SUNY Albany

January 25th Luca di Cerbo, Extended Graph Manifolds, and Einstein Metrics II

February 1st Hubert Wagner, Bregman geometry and topology

February 8th Alex Elchesen, Relative Optimal Transport and Universality of The Wasserstein Distance

February 15th Dmytro Savchuk, USF, Solenoidal maps, automatic sequences, Van Der Put series, and Mealy-Moore automata

February 22nd Luca Di Cerbo, On the impossibility of four-dimensional complex-hyperbolic Einstein Dehn filling

March 1st Udayan Darji, University of Louisville, Shadowing in zero-dimensional spaces

March 15th Johnathan Bush, Gromov-Hausdorff distances between spheres

March 22nd Alex Dranishnikov, On the LS-category of group homomorphisms

March 29th Antoine Song, UC Berkeley, Bounded sectional curvature and essential minimal volume.

April 5th Peter Bubenik, Homotopy, Homology, and Persistent Homology using Closure spaces and Filtered Closure spaces.

April 12th Iryna Hartsock. Paths in the spaces of generalized persistence diagrams

April 19th Phil Boyland, The abundance of strictly minimal sets

Fall-2022

August 30th Organizational meeting 5th period LIT 368

September 13th Michael Zarichnyi Topological structure of spaces of persistence diagrams

September 20th Michael Zarichnyi Topological structure of spaces of persistence diagrams.II

September 27th Peter Bubenik Exact weights, path metrics, and algebraic Wasserstein distances

October 4th Hubert Wagner Proofs, refutations and (GPU) computations

October 11th Alex Dranishnikov Embedding of the Higson compactification into the product of solenoids

October 18th Iryna Hartsock Learning on Persistence Diagrams as Radon Measures

October 25th Mark Stern, Duke University Nahm transform for ALF spaces

November 1st Luca Di Cerbo On Singer-Hopf Conjecture in Dimension Four

November 8th Kevin Knudson The Friedlander-Milnor Conjecture

November 15th Nursultan Kuanyshev On the Lusternik-Schirelmann category of homomorphisms between discrete groups

November 22nd No seminar

November 29th Hayden Hunter On Higher Dimensional Milnor Frames

December 6th Oleg Musin, UTRGV Discrete analogs of fixed point theorems and their applications