

Spring-2023

January 17th Organizational meeting

January 24th Johnathan Bush Gromov-Hausdorff distances, Borsuk-Ulam theorems, and Vietoris-Rips complexes

January 31st Luca Di Cerbos visitor

February 7th Boris Okun, University of Wisconsin-Milwaukee Homology growth of finite covers

February 14th Luca Di Cerbo, Complex structures on 4-manifolds

February 21st Luigi Lombardi, University of Milan, On the invariance of Hodge numbers under derived equivalence of varieties with non trivial Albanese map

February 28th Hubert Wagner, Topology-preserving preprocessing of cubical filtrations

March 7th Peter Bubenik, Singular homology of roots of unity

March 21st Phil Boyland, When Topology forces Dynamics

March 28th Michael Zarichnyi, Proper universal metric spaces for asymptotic dimension

April 4th Adi De Saha, On Cohomological Dimension of Group Homomorphisms

April 11th Andrew Yarmola, Princeton University, On knots in tangent bundles

April 18th LeBrun, Stony Brook, Einstein Manifolds, Self-Dual Weyl Curvature, and Conformally Kähler Geometry

April 25th Dan Guralnik, MAE UF, Reconfigurable systems: an autonomy perspective.

Fall-2023

August 29th Chris Kapulkin, University of Western Ontario, "Cubical setting for discrete homotopy theory" (canceled)

September 5th Organizational meeting

September 12th Peter Bubenik "Persistence: from Algebra to Analysis"

September 19th Henry Adams "Hausdorff vs Gromov-Hausdorff distances"

September 26th Hubert Wagner "Comparing Bregman divergences on the standard simplex"

October 3rd Thanos Gentimis, LSU "Digital Agriculture"

October 10th Nursultan Kuanyshov "LS-category of epimorphisms of almost nilpotent group"

October 17th Alex Dranishnikov "On Gromov's PSC conjecture"

October 24th Satya Howladar "Gromov's conjecture for RAAGs"

October 31st Yeor Hafuta "CLT for hyperbolic dynamical systems"

November 7th Luca Di Cerbo "An invitation to the Singer conjecture"

November 14th Johnathan Bush "Topological feature selection for time series"

November 21st no seminar

November 28th Snir Ben Ovadia, Penn State "Exponential volume limits"

December 5th Michael Moy, Colorado State University, "The topology of simplicial metric thickenings"