	A	B	C	D	E
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2	Visitors Supported by MRI				
3	2022-2023				
4					
5	**Seminars**				
6	Name	Seminar	Talk Title	Date of Visit	Home Institution
7	Li Li	Algebraic Geometry	Nakajima's graded quiver varieties and the triangular bases of cluster algebras	8_29_22-8_30_22	Oakland University
8	Thomas Yahl	Algebraic Geometry	Computing Galois groups of Fano problems	9_19_22-9_21_22	Texas A & M University
9	Courtney George	Algebraic Geometry	A Combinatorial Search for Mori Dream Spaces	10_31_22-11_2_22	University of Kentucky
10	Ishan Banerjee	Algebraic Geometry	Cayley-Bacharach sets and Discriminant complements	2_27_23-3_1_23	University of Chicago
11	Yueqiao Wu	Algebraic Geometry	A non-Archimedean characterization of local K-stability	3_27_23-3_29_23	University of Michigan
12	Daoji Huang	Algebraic Geometry	A Gröbner basis for Kazhdan-Lusztig ideals in the flag variety of affine type A	4_3_23-4_5_23	University of Minnesota
13					
14	Yidong Chen	Analysis and Operator Theory	Quantum Markov semigroup and complete logarithmic Sobolev constant for tensor representation of SU(2)	1_25_23-1_26_23	University of Illinois-Urbana-Champaign
15	Ahmad Barhoumi	Analysis and Operator Theory	Large-degree asymptotics of rational solutions of Painlevé III	1_18_23-1_19_23	University of Michigan
16	Giorgio Young	Analysis and Operator Theory	Ballistic Transport for Limit-periodic Schr\"odinger Operators in One Dimension	2_8_23-2_10_23	University of Michigan
17	Piotr Hajlasz	Analysis and Operator Theory	Approximation of convex functions and the Alexandrov theorem	3_1_23-3_3_23	University of Pittsburgh
18	Guglielmo Fucci	Analysis and Operator Theory	A primer on the spectral zeta function	4_5_23-4_8_23	East Carolina University
19	Florin Catrina	Analysis and Operator Theory	Dvoretzky-type theorem for locally finite subsets of a Hilbert space (joint with S. Ostrovska and M. Ostrovskii)	4_11_23-4_13_23	St. John's University
20	Tao Mei	Analysis and Operator Theory	A Marcinkiewicz theory for Schur-Multipliers on Schatten-von Neumann Classes	4_17_23-4_20_23	Baylor
21	Blair Davey	Analysis and Operator Theory	A quantification of the Besicovitch projection theorem and its generalizations	4_16_23-4_-18_23	Montana State University
22					
23	Maria Han Veiga	Applied Math	High fidelity numerical codes: structure-preserving schemes with data-driven models	12_1_22-12_2_22	University of Michigan

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24	Xueying Wang	Applied Math	A reaction-advection-diffusion model of cholera epidemics with seasonality and human behavior change	3_9_23-3_15_23	Washington State University
25	Guannan Zhang	Applied Math	A Nonlocal Gradient for High-Dimensional Black-Box Optimization in Scientific Applications	3_26_23-3_29_23	Oak Ridge National Laboratory
26	Qin Li Stechmann	Applied Math	Mean field theory in Inverse Problems: from Bayesian inference to overparameterization of networks	4_12_23-4_14_23	University of Wisconsin
27	Zheng Sun	Applied Math	On energy laws and stability of Runge-Kutta methods for linear seminegative problems	4_16_23-4_19_23	University of Alabama
28					
29	Niranjan Ramachandran	Arithmetic Geometry	Brauer groups and Elliptic curves	10_15_22-10_18_22	University of Maryland
30	Connor Cassady	Arithmetic Geometry	Quadratic forms, local-global principles, and field invariants	1_30_23-2_1_23	University of Pennsylvania
31	James Hotchkiss	Arithmetic Geometry	The period-index problem over the complex numbers	2_6_23-2_8_23	University of Michigan
32	Rahul Singh	Arithmetic Geometry	Counting parabolic principal G-bundles with nilpotent sections over P^1.	3_14_23-3_23_23	Louisiana State Unversity
33	Sudhir Ghorpade	Arithmetic Geometry	Linear sections of Grassmann and Schubert varieties over finite fields and Error Correcting Codes	4_10_23-4_12_23	Indian Institute of Tech, Mumbai
34					
35	Paisa Fathedden	Combinatorics	Asymptotic behavior of stochastic Navier-Stokes and Schrodinger equations	9_15_22	OSU Marion
36	Huy Pham	Combinatorics	The Kahn—Kalai conjecture and Talagrand's selector process conjecture	11_15_22-11_18_22	Stanford University
37	Hugo Falconet	Combinatorics	Liouville quantum gravity from random matrix dynamics	2_15_23-2_16_23	New York University
38	Sumit Mukherjee	Combinatorics	Asymptotic Distribution of Quadratic Forms	3_8_23-3_9_23	Columbia
39	Christopher Hoffman	Combinatorics	Abelian Networks	3_21_23-3_23_23	University of Washington
40	Xiaogu Dong	Combinatorics	Approximately Hadamard matrices and Riesz bases in random frames	4_19_23-4_21_23	University of Michigan
41					
42	Lorenzo Guerrieri	Commutative Algebra	Non-integrally closed Kronecker function rings and integral domains with a unique minimal overring	4_30_23-5_5_23	Jagiellonian University
43					
44	Yue Yu	Computational Mathematics	Learning Neural Operators for Complex Physical System Modeling	10_5_22-10_7_22	Lehigh University

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45	Di Fang	Computational Mathematics	Quantum algorithms for Hamiltonian simulation with unbounded operators	11_2_22-11_4_22	UC Berkeley
46	Qing Nie	Computational Mathematics	Multiscale spatiotemporal reconstruction of single-cell genomics data	11_9_22-11_11_22	University of California - Irvine
47	Jesse Chan	Computational Mathematics	Constructing robust high order entropy stable discontinuous Galerkin methods	11_16_22-11_18_22	Rice University
48					
49	Xiangwen Zhang	Differential Geometry	Geometric flows and Type IIA equation	3_28_23-3_31_23	University of California - Irvine
50	Shouhong Wang	Differential Geometry	Einstein Equations, dark Matter, and Dark Energy	3_6_23-3_7_23	Indiana University
51	Connor Mooney	Differential Geometry	The anisotropic Bernstein problem	4_3_23-4_5_23	University of California - Irvine
52	Nick McCleery	Differential Geometry	Recent Progress on Maximal Degenerations of Some Calabi-Yau Hypersurfaces	4_13_23-4_15_23	University of Michigan
53	Damin Wu	Differential Geometry	Bounded geometry and applications to the invariant metrics	5_4_23-5_6_23	University of Connecticut
54	Chaoming Lin	Differential Geometry	On the convexity of general inverse σ_k equations and some applications	5_10_23-5_14_23	University of California - Irvine
55					
56	Dmitry Schegliov	Ergodic Theory	Complexity of polygonal billiards	8_24_22-8_26_22	Federal University of Inas Gerais
57	Tomasz Downarowicz	Ergodic Theory	Normality preservation in various semigroup actions	9_19_22-9_29_22	Wroclaw University of Science and Technology
58	Michael Misiurewicz	Ergodic Theory	The real teapot	11_2_22-11_4_22	IUPUI
59	Andreas Koutsogiannis	Ergodic Theory	Joint ergodicity for functions of polynomial degree	10_27_22	Aristotle University of Thessaloniki
60	Martin Leguil	Ergodic Theory	Rigidity of u-Gibbs measures for certain Anosov diffeomorphisms of the 3-torus.	12_4_22-12_9_22	Universite de Picardie Jules Verne
61	Jing Zhou	Ergodic Theory	Arnold tongues in standard maps with drift	2_9_23-2_11_23	Penn State
62	Jonathan Dewitt	Ergodic Theory	Rigidity theorems for reducible systems	2_20_23-2_24_23	University of Maryland
63	Davi Obata	Ergodic Theory	Properties of the strong unstable foliation.	3_22_23-3_24_23	University of Chicago
64	Zhenqi Wang	Ergodic Theory	Periodic data and smooth rigidity for hyperbolic automorphisms on torus	4_19_23-4_22_23	Michigan State
65					
66	Srivatsav Kunnawalkam Elayavalli	Geometric Group Theory	Sofic approximations of amenable groups	10_24_22-10_28_22	UCLA
67	Sam Nariman	Geometric Group Theory	(Un)boundedness of characteristic classes of manifold bundles	10_9_22-10_11_22	Purdue University
68	Justin Katz	Geometric Group Theory	Spectral rigidity of some hyperbolic 2 and 3 manifolds	11_14_22-11_15_22	Purdue University

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69	Peng Hui How	Geometric Group Theory	Simplicial Volume of Closed Locally Homogeneous Riemannian Manifolds	11_20_22-11_22_22	University of Chicago
70	Thomas Haettel	Geometric Group Theory	Group actions on nonpositively curved simplicial complexes	11_20_22-11_26_22	University of Montpelier
71	Camille Horbez	Geometric Group Theory	Introduction to Out(Fn) and Outer space I	12_4_22-12_15_22	Universite Paris-Saclay
72	Piotr Przytycki	Geometric Group Theory	cancelled	2_21_23-2_25_23	McGill
73	Samuel Corson	Geometric Group Theory	Many trivially generated groups are the same	3_1_23-3_3_23	UPV/EHU
74					
75	Maksym Radziwill	Harmonic Analysis and Automorphic Representations		3_26_23-3_29_23	University of Texas Austin
76	Nina Zubrilina	Harmonic Analysis and Automorphic Representations	Root number correlation bias of Fourier coefficients of modular forms	4_2_23-4_4_23	Princeton
77					
78	Xianghong Gong	Harmonic Analysis and Several Complex Variables	On the regularity of d-bar solutions on domains in complex manifolds satisfying condition a_q	10_9_22-10_11_22	University of Wisconsin-Madison
79	Ziming Shi	Harmonic Analysis and Several Complex Variables	Solvability of d-bar equation in spaces of negative smoothness index and its applications to Newlander-Nirenberg theorem with boundary	11_13_22-11_15_22	Rutgers
80	Lingxiao Zhang	Harmonic Analysis and Several Complex Variables	Real Analytic Singular Radon Transforms With Product Kernels: necessity of the Stein-Street condition	11_20_22-11_22_22	University of Wisconsin-Madison
81	Brett Wick	Harmonic Analysis and Several Complex Variables	Wavelet Representation of Singular Integral Operators	1_22_23-1_24_23	Washington University - St. Louis
82	Yunus-Ergin Zeytuncu	Harmonic Analysis and Several Complex Variables	Spectral analysis of Kohn Laplacian on Spherical Manifolds	2_26_23-2_28_23	University of Michigan
83					
84	Kyle Ganon	Logic	Extension Domination	9_5_22-9_9_22	UCLA
85	Nicolas Chavarria Gomez	Logic	Positive primitive elimination in a continuous setting	11_7_22-11_9_22	Notre Dame
86	Adele Padgett	Logic	Regular solutions of systems of transexponential-polynomial equations	2_13_23-2_15_23	McMaster University
87	Elliot Kaplan	Logic	Hilbert polynomials for finitary matroids	2_27_23-3_1_23	McMaster University
88	Nick Ramsey	Logic	Model theory and the Lazard Correspondence	4_10_23-4_11_23	University of Notre Dame
89	Alexi Block Gorman	Logic	Expansions by automatic sets: Choose-your-own-adventure	4_17_23-4_19_23	McMaster University

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90	Scott Mutchnik	Logic	Conant Independence	4_30_23-5_4_23	University of California - Berkeley
91					
92	Naomi Sweeting	Number Theory	Kolyvagin's Conjecture and Higher Congruences of Modular Forms	10_17_22-10_18_22	Harvard
93	Christopher Keyes	Number Theory	Local solubility in families of superelliptic curves	11_20_22-11_22_22	Emory University
94	Ari Schnidman	Number Theory	Bielliptic Picard Surfaces	2_19_23-2_22_23	Hebrew University
95	Tian Wang	Number Theory	Effective open image theorem for a product of GSp-type abelian varieties	4_9_23-4_11_23	University of Illinois-Chicago
96					
97	Bei Hu	PDE	A Free Boundary Problem for modeling Plaques in the Artery – Recent progress	9_26_22-9_27_22	Notre Dame
98	Robert DeJaco	PDE	Formation of Traveling Waves in Single-Solute Chromatography	11_7_22-11_10_22	Nat. Inst. Of Standards and Tech
99	Ivan Sudakow	PDE	Complex bifurcations in Bénard–Marangoni convection	11_14_22-11_15_22	University of Dayton
100	Ryan Thompson	PDE	Continuity Properties of a Geophysical Model for Equatorial Water Waves	11_21_22-11_23_22	University of Georgia
101	Vincent Calvez	PDE	The Fisher infinitesimal model under convex stabilizing selection	1_14_23-1_19_23	CNRS France
102	Xueying Wang	PDE	A reaction-advection-diffusion model of cholera epidemics with seasonality and human behavior change	3_9_23-3_16_23	Washington University
103	Henrik Kalisch	PDE	Existence and uniqueness for a system of conservation laws arising in magnetohydrodynamics	4_10_23-4_12_23	University of Bergen, Norway
104	Prajakta Bedekar	PDE	Mathematical models of self-organized patterning of stem cells	4_24_23-4_26_23	Nat. Inst. Of Standards and Tech
105					
106	Srivatsav Kunnawalkam Elayavalli	Quantum Symmetry	Two non Gamma factors with non isomorphic ultrapowers.	10_23_22-10_28_22	UCLA
107	Meenkashi McNamara	Quantum Symmetry	Bounding Quantum Chromatic Numbers for Quantum Graph Products	2_27_23-3_1_23	Purdue
108	Cain Edie-Michell	Quantum Symmetry	Cell systems for quantum sl_N module categories.	3_1_23-3_4_23	University of New Hampshire
109	Tao Mei	Quantum Symmetry	L_p decomposition of the free group von Neumann algebra	4_17_23-4_20_23	Baylor University
110	Puttipong Pongtanapaisan	Quantum Symmetry	Generalizing 1-1 graph tangles	4_16_23-4_21_23	University of Saskatchewan
111					
112	Yandi Wu	Topology	A topologically rigid set of quotients of the Davis complex	11_9_22-11_12_22	University of Wiconsin

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113	Geunho Lim	Topology	Bounds on rho-invariants and simplicial complexity of triangulated manifolds	1_8_23-1_11_23	UC Santa Barbara
114	Feng Zhu	Topology	Relatively Anosov representations	1_18_23-1_20_23	University of Wisconsin - Madison
115	Matt Zaremsky	Topology	Shift-similar groups of permutations of the natural numbers	4_10_23-4_11_23	SUNY
116	Pallavi Dani	Topology	Non-quasiconvex subgroups of hyperbolic groups	4_16_23-4_18_23	Louisiana State University
117	Kevin Schreve	Topology	Homology growth, hyperbolization, and fibering	4_12_23-4_14_23	Louisiana State University
118					
119	Hans Riess	Topology Geometry, Data Analysis	Towards Geometry of Lattice-Valued Sheaves	11_14_22-11_16_22	University of Pennsylvania
120	Sarah Percival	Topology Geometry, Data Analysis	Adaptive Covers for Ball Mapper	2_7_23-2_8_23	Michigan State University
121	Thomas Weighill	Topology Geometry, Data Analysis	The Geometry of Gerrymandering	3_6_23-3_9_23	University of North Carolina at Greensboro
122	Sarah Tymochko	Topology Geometry, Data Analysis	Topological Tools for Time Series Analysis	4_10_23-4_12_23	UCLA
123					
124	**Short Term Visitors**				
125	Tomasz Downarowicz	Short Term Visitor		9_19_22-9_28_22	Wroclaw University of Science and Technology
126	Martin Leguil	Short Term Visitor		12_4_22-12_9_22	Universite de Picardie Jules Verne
127	Thomas Weighill	Short Term Visitor		3_6_23-3_9_23	University of North Carolina at Greensboro
128	Xueying Wang	Short Term Visitor		3_9_23-3_16_23	Washington University
129	Rahul Singh	Short Term Visitor		3_14_23-3_22_23	Louisiana State University
130	Lorenzo Guerrieri	Short Term Visitor		4_30_23-5_5_23	Jagiellonian University
131	Scott Mutchnik	Short Term Visitor		4_30_23-5_4_23	University of California - Berkeley
132	Chaoming Lin	Short Term Visitor		5_10_23-5_14_23	University of California - Irvine
133					
134	**Long Term Visitors**				
135	Sze-Bi Hsu	Long Term Visitor		10_16_22-11_16_22	National Tsinghua University, Taiwan
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137	**Distinguished Visitors**				
138	David Jerison	Rado Lecturer		11_20_22-12_2_22	MIT

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139	Bhargav Bhatt	Zassenhaus Lecturer		4_17_23-4_19_23	Institute for Advanced Study, Princeton University, University of Michigan