Nicholas Wawrykow

curriculum vitae

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▬▬▬ Education

April 2023 (expected)	**Ph.D in Mathematics**, University of Michigan, Ann Arbor, MI
May 2017	**M.Sc. in Mathematics**, Yale University, New Haven, CT
May 2017	**B.Sc. in Mathematics**, Yale University, New Haven, CT
	Graduated cum laude with distinction in mathematics.

▬▬▬ Research Interests

Configuration spaces, representation stability, topology, geometric group theory

▬▬▬ Teaching Experience

Fall 2022	**Instructor**, *Math 116: Calculus II*
Fall 2021	**Instructor**, *Math 116: Calculus II*
Winter 2021	**Instructor**, *Math 116: Calculus II*
Fall 2020	**Instructor**, *Math 116: Calculus II*
Winter 2020	**Instructor**, *Math 116: Calculus II*
Fall 2019	**Instructor**, *Math 116: Calculus II*
Winter 2019	**Instructor**, *Math 116: Calculus II*
Fall 2018	**Instructor**, *Math 116: Calculus II*
Winter 2018	**Instructor**, *Math 115: Calculus I*
Fall 2017	**Instructor**, *Math 115: Calculus I*

▬▬▬ Talks and Posters

November 2022	**Representation stability and disk configuration spaces**, *University of Michigan Topology Seminar*, Ann Arbor, MI
November 2022	**Representation stability and disk configuration spaces**, *Binghamton University Graduate Combinatorics, Algebra and Topology Conference 2022*, Binghamton, NY
March 2022	**Decomposing the rational homology groups of the ordered configuration space of n hard disks on an infinite strip of width 2 into induced S_n-representations**, *Stability in Topology, Arithmetic, and Representation Theory*, West Lafayette, IN (hybrid)
May 2021	**The Ordered Configuration Space of the Once-Punctured Torus and Secondary Representation Stability**, *Graduate Student Conference in Algebra, Geometry, and Topology*, Philadelphia, PA (online)

February 2021	**Secondary Representation Stability and the Ordered Configuration Space of the Once-Punctured Torus**, *Purdue Topology Seminar*, West Lafayette, IN

▬▬ Publications

2022	**Representation stability for disks on a strip** In preparation
2022	**On the symmetric group action on rigid disks on a strip**, ArXiv preprint, ArXiv: 2201.00718 Submitted
2022	**Secondary representation stability and the ordered configuration space of the once-punctured torus**, Topology and its Applications, Volume 319
2018	**Chip-firing on Trees of Loops**, *with Vivian Kuperberg, Sameer Kailasa*, Electronic Journal of Combinatorics, Volume 25.1
2017	**Realization of Groups with Pairing as Jacobians of Finite Graphs**, *with Louis Gaudet, David Jensen, Dhruv Ranganathan, and Theodore Weisman*, Annals of Combinatorics, Volume 22

▬▬ Awards and Honors

2021	**Edwin Wilkinson Miller Prize**, *University of Michigan*
2016	**George Beckwith Prize for Excellence in Mathematics**, *Yale University*

▬▬ Service

Summer 2021 and 2022	**Qualifying Review Exam Review Session Leader**, *Complex Analysis*

▬▬ References

Available upon request