WILLIAM ADKISSON

wadkis2@uic.edu

EDUCATION

University of Illinois at Chicago *May 2024*
PhD in Pure Mathematics
Advisors: Dima Sinapova, James Freitag

University of Chicago *June 2017*
B.A. in Mathematics

PAPERS

Research

Mutual Stationarity, Stationary Reflection, and the Failure of SCH. In Preparation.

Mutual Stationarity and Combinatorics at $\aleph_\omega$, William Adkisson and Dima Sinapova, submitted 2023.

The Strong and Super Tree Properties at Successors of Singular Cardinals, to appear in the Journal of Symbolic Logic.

DNA Origami and Unknotted A-Trails in Torus Graphs, Ada Morse, William Adkisson, Jessica Greene, David Perry, Brenna Smith, Jo Ellis-Monaghan and Greta Pangborn, J. Knot Theory Ramifications 29 (2020), no. 7, 2050041

Expository

An Overview of Knot Invariants, 2015 University of Chicago REU
Geodesics of Hyperbolic Space, 2014 University of Chicago REU

PRESENTATIONS AND WORKSHOPS

UIC Logic Seminar, *Mutual Stationarity and Combinatorics at $\aleph_\omega$*	*November 2023*
Notre Dame Logic Seminar, *Tree Properties at Successors of Singulars*	*September 2023*
AIM Workshop, *From $\aleph_2$ to Infinity*, invited participant.	*May 2023*
ASL North American Meeting, *The Strong and Super Tree Property.*	*March 2023*
Rutgers Logic Seminar, *The Strong and Super Tree Property.*	*March 2023*
UIC Graduate Student Colloquium, *An Introduction to Infinitary Combinatorics.*	*February 2023*
UIC Logic Seminar, *The Strong Tree Property and ITP.*	*October 2022*
European Set Theory Conference, *The Strong Tree Property and ITP.*	*August 2022*
UIC Graduate Student Colloquium, *An Introduction to Large Cardinals.*	*April 2021*
UIC Undergraduate Mathematics Symposium, *DNA Origami and Unknotted A-Trails.*	*October 2016*

TEACHING

Instructor

MATH 090, Intermediate Algebra	*Fall 2022, 2023*
MATH 294, Special Topics in Mathematics	*Spring 2023, 2024*

Teaching Assistant Coordinator *Fall 2021*

Teaching Assistant

MATH 110, College Algebra	*Fall 2018*
MATH 121, Precalculus	*Fall 2020*
MATH 180, Calculus I	*Fall 2019, Spring 2023*
MATH 181, Calculus II	*Spring 2019-2022, Summer 2023, Spring 2024*

MATH 210, Calculus III   *Summer 2019*
MATH 589, Teaching and Presentation of Mathematics   *Fall 2021*

Grader
MATH 430, Formal Logic   *Spring 2021*

ORGANIZATION

23rd Graduate Student Conference in Logic   *April 2022*
Louise Hay Logic Seminar   *2021-present*

AWARDS AND SCHOLARSHIPS

ASL Travel Funding   *2020, 2022-2024*
National Merit Scholarship   *2013 - 2017*
IBM Thomas J. Watson Scholarship   *2013 - 2017*
National Latin Exam Scholarship   *2013*