

# WILLIAM ADKISSON

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## EDUCATION

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

*Expected Graduation Spring 2024*

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

*June 2017*

## PAPERS

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### 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

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UIC Logic Seminar, *Mutual Stationarity and Combinatorics at  $\aleph_\omega$*  *November 2023*

Notre Dame Logic Seminar, *Tree Properties at Successors of Singularity* *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

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### Instructor

MATH 090, Intermediate Algebra *Fall 2022, 2023*

MATH 294, Special Topics in Mathematics *Spring 2023*

**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*

MATH 210, Calculus III  
MATH 589, Teaching and Presentation of Mathematics

*Summer 2019*  
*Fall 2021*

**Grader**

MATH 430, Formal Logic

*Spring 2021*

**ORGANIZATION**

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23rd Graduate Student Conference in Logic  
Louise Hay Logic Seminar

*April 2022*  
*2021-present*

**AWARDS AND SCHOLARSHIPS**

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**ASL Travel Funding**  
**National Merit Scholarship**  
**IBM Thomas J. Watson Scholarship**  
**National Latin Exam Scholarship**

*2020, 2022*  
*2013 - 2017*  
*2013 - 2017*  
*2013*