

Xiyang Zhong

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RESEARCH INTERESTS Geometric group theory, mapping class groups, group cohomology.

EDUCATION	University of Notre Dame	South Bend, IN
	Ph.D. candidate in Mathematics	08/2020-present
	Advisor: Andrew Putman	

Peking University Beijing, China
 B.S. in Mathematics 07/2020

PAPERS

1. *Prym Representations and Twisted Cohomology of the Mapping Class Group with Level Structures*. Preprint.

arXiv: 2401.13869

TALKS	TBA	
	Conference on Discrete Groups in Topology and Algebraic Geometry at University of Notre Dame	06/2025

Prym Representations and Twisted Cohomology of the Mapping Class Group with Level Structures.

AIM workshop "Motives and mapping class groups" 01/2025

Prym Representations and Twisted Cohomology of the Mapping Class Group with Level Structures.

AMS Special Session on Cohomology of Arithmetic Groups,
Mapping Class Groups, and Moduli Spaces

01/2025

Prym Representations and Twisted Cohomology of the Mapping Class Group with Level Structures.

Topology Students Workshop at Vanderbilt University 06/2024

Prym Representations and Twisted Cohomology of the Mapping Class Group with Level Structures.

Notre Dame Graduate Student Seminar 02/2024

EXPOSITORY	<i>The Teichmüller Space of a Surface</i>	
TALKS	Notre Dame Graduate Student Seminar	03/2023

	Mini-course (4 talks) on <i>Homological Stability of Mapping Class Groups</i>	
	Notre Dame Graduate Student Topology Seminar	09/2022
	<i>The applications of PL Morse theory on finiteness properties of groups</i>	
	Notre Dame Graduate Student Topology Seminar	12/2021
	<i>Correspondence between groups and actions on trees</i>	
	Notre Dame Graduate Student Topology Seminar	11/2020
SEMINARS ORGANIZED	Notre Dame Graduate Student Topology Seminar	Fall 2022
TEACHING EXPERIENCE	Instructor, Calculus A	Fall 2023
	Teaching Assistant, Calculus III	Spring 2023
	Teaching Assistant, Calculus II	Fall 2022
	Teaching Assistant, Calculus III	Spring 2022
	Teaching Assistant, Calculus A	Fall 2021
	Teaching Assistant, Mathematical Analysis II (Peking University)	Spring 2020
	Teaching Assistant, Mathematical Analysis I (Peking University)	Fall 2019
CONFERENCES ATTENDED	Topology Student Workshop	06/2024
	Vanderbilt University	
	Mid-Atlantic Topology Conference	03/2024
	Northeastern University	
	$\text{Mod}(M^4)$ minicourse	08/2022
	University of Chicago	
	Stability in Topology, Arithmetic, and Representation Theory	03/2022
	Purdue University	
UNDERGRADUATE RESEARCH EXPERIENCE	<i>The image of the Johnson homomorphism for all compact surfaces</i>	Summer 2019
	Summer project at University of Oklahoma	
	Advised by Prof. Justin Malestein	
AWARDS	Honorable Mention in Alibaba Global Mathematics Competition	2022
	Undergraduate Research Fellowship at Peking University	2020
	Academic Scholarship at Peking University	2016-2019