

# William C. Newman

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## Education

<b>PhD</b>	<b>The Ohio State University</b> , Mathematics	Aug 2020 – (May 2026)
	• Advisor: Hsian-Hua Tseng	
<b>BS</b>	<b>University of Michigan</b> , Mathematics	Aug 2016 – May 2020

## Preprints

<b>Tame nodal stacky curves</b> with Martin Bishop	Sep 2025
<a href="https://arxiv.org/abs/2509.20629">https://arxiv.org/abs/2509.20629</a> 🔗	
<b>The first higher Chow groups of <math>\mathcal{M}_{1,4}</math> for <math>n \leq 4</math></b>	Aug 2025
<a href="https://arxiv.org/abs/2508.20264">https://arxiv.org/abs/2508.20264</a> 🔗	
<b>Chow rings of moduli spaces of genus 0 curves with collisions</b>	In Preparation
<b>Injective quadratic self-maps of <math>\mathbb{P}^2</math></b> with Michael E. Zieve	In Preparation
<b>Orbifold Tevelev Degrees</b> with Deniz Genlik and Hsian-Hua Tseng	In Preparation

## Seminar Presentations

<b>Injective quadratic self-maps of <math>\mathbb{P}^2</math></b>	Nov 2025
The Ohio State University Algebraic Geometry Seminar	
<b>The first higher Chow groups of <math>\mathcal{M}_{1,4}</math> for <math>n \leq 4</math></b>	Apr 2025
University of Illinois Urbana-Champaign Algebraic Geometry Seminar	
<b>The first higher Chow groups of <math>\mathcal{M}_{1,4}</math> for <math>n \leq 4</math></b>	Sep 2024
ETH Zürich Algebraic Geometry and Moduli Seminar	
<b>The first higher Chow groups of <math>\mathcal{M}_{1,4}</math> for <math>n \leq 4</math></b>	Sep 2024
The Ohio State University Algebraic Geometry Seminar	

## Awards

<b>Research Training Grant Semester Funding</b>	F 2023, F 2024, Sp 2026
<b>Distinguished University Fellowship</b>	Aug 2020

## Outreach

<b>OSU Cycle Mentor</b>	Aug 2021 - Present
<b>OSU Cycle Committee Member</b>	May 2021 - Present
<b>Buckeye Aha Math Moments Camp Counselor</b>	Su 2022, Su 2023, Su 2024

## Seminar Orginazation

<b>Motives in May</b>	May 2025
<a href="#">Website</a> 🔗	
<b>OSU Student Algebraic Geometry Seminar</b>	Apr 2022 - Apr 2024

## Teaching

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<b>Math 1126</b> - Math for Elementary School Teachers 2	Spring 2024
<b>Math 2173</b> - Engineering Math B	Spring 2023
<b>Math 2173</b> - Engineering Math B	Fall 2022
<b>Math 1172</b> - Engineering Math A	Spring 2022
<b>Math 1151</b> - Calculus 1	Fall 2021

## Student Seminar Talks

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<b>Contravariant Chow Groups</b> OSU Student AG Seminar	Sep 2025
<b>Intersections of Plane Curves</b> OSU Math Graduate Student Association Seminar	Mar 2025
$\mathcal{M}_{0,n}$ and $\overline{\mathcal{M}}_{0,n}$ OSU Student AG Seminar	Nov 2024
<b>Chow 101</b> OSU Student AG Seminar	Aug 2024
<b>Rational Curves on <math>K3</math> Surfaces</b> OSU Student AG Seminar	Apr 2024
<b>A Diophantine Equation</b> OSU Student Number Theory Seminar	Jan 2024
<b>Chow 102</b> OSU Student AG Seminar	Nov 2023
<b>Moduli Spaces</b> OSU Math Graduate Student Association Seminar	Sep 2023
<b>Chow 101</b> The Jacobian Conjecture	Sep 2023
<b>Candidacy Presentation</b> The Ohio State University	Jul 2023
<b>Rational Curves through <math>3d - 1</math> Points</b> OSU Student AG Seminar	Mar 2023
<b>Chow Groups and Motives</b> OSU Student AG Seminar	Oct 2022
<b>Counting Conics</b> OSU Student AG Seminar	Sep 2022
<b>Semistable Reduction</b> OSU Student AG Seminar	Mar 2022
<b>Injective Quadratic Maps <math>\mathbb{P}^2 \dashrightarrow \mathbb{P}^2</math></b> OSU Student AG Seminar	Sep 2021