

Daniel Wallick

PERSONAL DATA

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EDUCATION

Current **The Ohio State University**
2020-PRESENT Theoretical Math PhD Student (expected graduation: 2026)
Advisor: David Penneys

2016-2020 **Swarthmore College** Class of 2020
Bachelor of Arts
Honors major: Mathematics; Honors minor: Physics
High Honors

SUMMER 2018 **Budapest Semesters in Mathematics** Summer Semester
With Honors

HONORS AND AWARDS

SPRING 2022 Ohio State University **Tibor Radó Research Semester**

FALL 2020-SPRING 2021 Ohio State University **Distinguished University Fellowship**

2020 **Phi Beta Kappa**

2020 Swarthmore College **Lang Award**
“Given to a graduating senior in recognition of outstanding academic accomplishment.”

2020 Swarthmore College **Heinrich W. Brinkmann Mathematics Prize**
“An award given to a small set of graduating seniors who have demonstrated outstanding performance in the field and exemplary service to the Department of Mathematics and Statistics.”

2017 **Morris Monsky Prize in Mathematics** for the academic year 2016-2017
“Awarded to a first year student who has demonstrated outstanding mathematical promise and enthusiasm.”

PRESENTATIONS

SPRING 2022 Ohio State University Quantum Symmetries Seminar
Titled “Some Basics on the Basic Construction.”

SUMMER 2021 Minimal Nondegenerate Extensions Learning Seminar
Titled “What is a Fusion 2-Category?”

CONFERENCES AND SUMMER SCHOOLS ATTENDED

- SUMMER 2022 YMC*A (Young Mathematicians in C*-Algebras)
- SUMMER 2022 KnOttawa (Kansas, not Ottawa) Summer School in Operator Algebras
- SUMMER 2022 Canadian Operator Symposium, 50th anniversary
- SUMMER 2022 Topological Quantum Groups, C*-Tensor Categories, and Subfactors
- SUMMER 2021 **Spectra** LGBTQ+ in Mathematics Conference
- SUMMER 2021 Groundwork in Operator Algebras Lecture Series
- SUMMER 2019 **IAS/Park City Mathematics Institute** Undergraduate Summer School
Lecture series titled “Low-dimensional Topology” and “Gauge Theory, Gravitation, and Geometry.”
Also participated in an experimental math lab project on the Cayley graphs of finite Heisenberg groups, led by Jayadev Athreya of the University of Washington.
- SUMMER 2019 **Princeton University** Summer School in Geometric Analysis

MENTORING

- FALL 2021-SPRING 2022 Mentor for Cycle Mentoring Class at the Ohio State University
- SUMMER 2021 Mentor for Research Experience for Undergraduates
Mentored undergraduate student for the Ohio State University’s Research Opportunities in Mathematics for Underrepresented Students program, under the supervision of David Penneys.

TEACHING

- FALL 2021 Teaching Associate for Calculus I (MATH 1151) at the Ohio State University

ORGANIZATIONS

- SPRING 2022-PRESENT **Ohio State University LGBTQ+ in Math Alliance** Committee Member

OTHER WORK EXPERIENCE

- FALL 2018-SUMMER 2020 MathPath Admissions Assistant
- SPRING 2019 AND 2020 Grader for Modern Algebra II (MATH 102) at Swarthmore College
- FALL 2017-SPRING 2018 Tutor for Several-Variable Calculus (MATH 034) and Spacetime and Quanta (PHYS 005) at Swarthmore College

COMPUTER LANGUAGES

- Proficient: PYTHON, MATHEMATICA
Familiar: PHP, HTML, CSS, JAVASCRIPT, C