

BEN ADENBAUM

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INFORMATION Last Updated: March 28, 2024

EDUCATION **Dartmouth College**, Hanover, NH Sep 2019 - Current
- M.A. Mathematics June 2021
- Ph.D., Mathematics Expected June 2024
- Thesis Advisor: Sergi Elizalde
Lafayette College, Easton, PA Sep 2015- May 2019
- B.S. Mathematics with Honors
- Minor Computer Science

PUBLICATIONS **Publications**
- *Rowmotion on 321-avoiding permutations* (with S. Elizalde) *Electron. J. Combin.* 30(3) (2023) #P3.5 <https://doi.org/10.37236/11792>
Preprints
- *On the Order of P-Strict Promotion on $V \times [\ell]$* arxiv:2308.08757
- *Coloring Groups* (with A. Wilson) arxiv:2312.03092 Submitted
- *Boolean intervals in the weak Bruhat order of a finite Coxeter group* (with J. Elder, P. E. Harris, J. C. Martínez Mori) arxiv:2403.07989

PRESENTATIONS **Research Presentations**
- “Boolean intervals in the weak Bruhat order of a finite Coxeter group” *Graduate Student Combinatorics Conference* March 2024
- “Rowmotion on 321-Avoiding Permutations” (Poster), *FPSAC* July 2023
- “Rowmotion on 321-Avoiding Permutations”, *Permutation Patterns* July 2023
- “On the Order of P-Strict Promotion on $V \times [\ell]$ ”, *Graduate Student Combinatorics Conference* March 2023
- “Rowmotion on 321-Avoiding Permutations”, *AMS Special Session on Algebraic and Bijective Methods in Permutation Enumeration* at Joint Math Meetings, April 2022
- “Playing the Iterated Prisoners’ Dilemma with Cards”, *AMS-MAA-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs* at Joint Math Meetings January 2018
Seminar Talks
Graduate Online Combinatorics Colloquim November 2023
LACIM at Université du Québec à Montréal November 2023
Michigan State University November 2023
North Dakota State University November 2023
Dartmouth College May 2022
University of Vermont April 2022

BEN ADENBAUM

TEACHING

Instructor *Dartmouth College*

- Math 3 Introduction to Calculus Fall 2021
- Math 9 Multivariable Calculus with Linear Algebra Fall 2022
- Math 28 Introduction to Combinatorics Winter 2024

Teaching Assistant, *Dartmouth College*

- Math 8 Calculus of Functions of one and Several Variables Fall 2019
- Math 10 Introductory Statistics Spring 2020 online over Zoom
- Math 108 Topics in Combinatorics Fall 2020 online over Zoom
- Math 3 Introduction to Calculus Winter 2021 online over Zoom

Teaching Assistant, *Lafayette College*

- Lab Teaching Assistant for Applied Statistics Fall 2017

SERVICE AND OUTREACH

- Dartmouth Combinatorics Seminar Co-organizer Fall 2022-Present
- Dartmouth College *Directed Reading Program* Co-organizer Winter 2023-Present

PROGRAMMING LANGUAGES

Java, \LaTeX , R, Python, Sage