Matthew Kendall

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EDUCATION

Stanford University, Stanford, CA   starting Sep 2024
Ph.D., Mathematics

Princeton University, Princeton, NJ   Sep 2019 – May 2024
Bachelor of Arts, Mathematics   High honors, GPA: 3.95/4.0

Budapest Semesters in Mathematics, Budapest, Hungary   February 2021 – May 2021

Stuyvesant High School, New York, NY   September 2015 – June 2019

PUBLICATIONS AND PREPRINTS

3. Crossing change maps in filtered grid homology. (2023)   arXiv:2303.04227

2. Bender–Knuth involutions on linear extensions of posets. (2023)   arXiv:2302.12425
   with J. Chiang, A. Hoang, R. Lynch, S. Nguyen, B. Przybocki, and J. Xia.
   Discrete Mathematics, 347(9):114068.

1. Quantitative Helly-type theorems via sparse approximation. (2021)   arXiv:2108.05745
   with V. Almendra–Hernández and G. Ambrus.
   Discrete and Computational Geometry, 70(4):1707–1714.

AWARDS AND HONORS

Middleton Miller '29 Prize, *Department of Mathematics, Princeton University*   May 2024

Election to the Sigma Xi chapter, *Princeton University*   May 2024

Early election to the Phi Beta Kappa chapter, *Princeton University*   May 2024

Andrew H. Brown Prize, *Department of Mathematics, Princeton University*   May 2023

Richard B. Geller Memorial Scholarship, *Stuyvesant High School*   June 2019

Director's Award, *New York Youth Symphony Chamber Program*   May 2019

Berman–Rockow Award, *New York State Math League*   May 2019