

ETHAN PESIKOFF

CONTACT & GENERAL INFO

email epesikoff@uchicago.edu
Location Department of Mathematics, University of Chicago
Citizenship USA, Austria

EDUCATION

2024-Present **PhD in Mathematics**, University of Chicago
 Advisor: Benson Farb
2023-2024 **MASt in Mathematics**, University of Cambridge
2019-2024 **BA in Mathematics, Near Eastern Languages and Civilizations**, Yale University
 Suma Cum Laude, gpa 3.98

AWARDS & FELLOWSHIPS

2024-Present NSF Graduate Research Fellowship Program
2023-2024 Part III International Scholarship, Cambridge University
2023-2024 Henry Fellowship, Awarded by Yale University to one graduating senior for a year of study abroad
2023-Present Phi Beta Kappa, member
2019 National Merit Scholar
2019 Eagle Scout

PUBLICATIONS & PREPRINTS

2025 **Irreducibility over the Max-Min Semiring** with Baily, Dell, Fleischmann, Jackson, Miller, Reifenberg. *Journal of Integer Sequences*. arXiv:2111.09786.
2023 **Optimal Point Sets Determining Few Distinct Angles** with Fleischmann, Miller, Palsson, Wolf. *Australasian Journal of Combinatorics*. arXiv:2108.12034.
2023 **The maximum hook length of d -distinct simultaneous core partitions** with Przybocki, Xia. *Electronic Journal of Combinatorics*. arXiv:2209.09973.
2023 **Distinct Angles in General Position** with Fleischmann, Konyagin, Miller, Palsson, Wolf. *Discrete Mathematics*. arXiv:2206.04367.
2023 **Distinct Angle Problems and Variants** with Fleischmann, Hu, Jackson, Miller, Palsson, Wolf. *Discrete and Computational Geometry*. arXiv:2108.12015.
2022 **The Bergman Game** with Baily, Dell, Durmic, Fleischmann, Jackson, Mijares, Miller, Reifenberg, Smith Reina, Yang. *Fibonacci Quarterly*. arXiv:2206.04367.

Preprints: **The Generalized Bergman Game** with Baily, Dell, Durmic, Fleischmann, Jackson, Mirjares, Miller, Reifenberg, Smith Reina, Yang. arXiv:2109.00117.
The Complexity of the Zeckendorf Graph Game with Bailey, Dell, Fleischmann, Jackson, Miller, Reifenberg.

TALKS GIVEN

2023 **Joint Mathematics Meetings**, Distinct Angle Problems and Variants
2023 **Joint Mathematics Meetings**, Algebraic Divides of Finite Mutation Type
2023 **Joint Mathematics Meetings**, Maximum Hook Length of Simultaneous Core Partitions
2022 **Combinatorial and Additive Number Theory**, Distinct Angle Problems and Variants
2022 **Joint Mathematics Meetings**, Complexity of the Zeckendorf Graph Game
2022 **Joint Mathematics Meetings**, Distinct Angle Problems and Variants
2021 **To Texas Tech REU**, The Generalized Bergman Game, to Texas Tech REU
2021 **Young Mathematicians Conference**, Complexity of the Zeckendorf Graph Game
2021 **Young Mathematicians Conference**, The Bergman Game
2021 **Young Mathematicians Conference**, Distinct Angle Problems and Variants

TEACHING

Spring 2023 **Yale**, Math 225: Linear Algebra Undergraduate Learning Assistant
Fall 2022 **Yale**, Math 310: Complex Analysis Undergraduate Learning Assistant
2020-2022 **Yale**, Official Spanish Language Tutor

SERVICE

2022-2023 **Yale**, Undergraduate Math Society, Board member and special events organizer
2021-Present Referee for Journal of Number theory, Rose Hulman Undergraduate Journal

MISCELLANEOUS

Languages (human) English (native), Spanish (proficient), Modern Standard Arabic (proficient), Swedish (elementary), German (elementary), Akkadian (literary fluency), Sumerian (intermediate literary fluency)
Languages (machine) Python, Mathematica