Yuhan Jiang

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EMPLOYMENT HISTORY

Charles B. Morrey, Jr. Math Fellow 2025 – 2028
University of California, Berkeley *Berkeley, CA*

PUBLICATIONS AND PREPRINTS

- S. Bhattacharya, S. Corteel, Y. Jiang, J. Lentfer, B. Rhoades, "The bigraded Frobenius series of the wreath product superspace coinvariant rings", Preprint, arXiv: 2610.38875.
- Y. Jiang, "A flag refinement of the h*-formula for the hypersimplices", Preprint, arXiv: 2610.07451.
- Y. Jiang and J. Lentfer. "Type B fermionic coinvariant rings." Preprint, arXiv:2608.02881, 2026.
- C. Defant, Y. Jiang, R. Marczinzik, A. Segovia, D. E. Speyer, H. Thomas, and N. Williams. "Rowmotion and Echelonmotion." Selected talk, FPSAC 2026.
- E. Bullock and Y. Jiang. "The Ehrhart series of alcoved polytopes." Selected talk, FPSAC 2026.
- Y. Jiang. "The Ehrhart h*-polynomial of positroid polytopes." Combinatorial Theory, 5(4), (2025). Extended abstract, FPSAC 2025.
- Y. Jiang. "The doubly asymmetric simple exclusion process, the colored Boolean process, and the restricted random growth model." Extended abstract, FPSAC 2024; arXiv:2312.09427.
- Y. Jiang, K. Kohn, and R. Winter. "Linear spaces of symmetric matrices with non-maximal maximum likelihood degree." Le Matematiche 76.2 (2021), 461-481.
- Y. Jiang and B. Sturmfels. "Bad projections of the PSD cone." Collectanea Mathematica 72 (2021), 261-280.
- Y. Jiang and W. Han. "Singularities and genus of the k-ellipse." Journal of Symbolic Computation 104 (2021), 343-355.

INVITED TALKS

- 2026 — Combinatorics Seminar, San Francisco State University
- 2026 — Combinatorics Seminar, University of California, Davis
- 2025 — AMS Eastern Sectional Meeting, University of Connecticut
- 2025 — Combinatorics Seminar, University of Vermont
- 2025 — Workshop on Mixing Times, Simons Center for Geometry and Physics
- 2025 — Probability Seminar, Stony Brook University
- 2024 — Richard P. Stanley Seminar in Combinatorics, Harvard University
- 2024 — Integrable Probability Working Group, MIT
- 2024 — Combinatorics Seminars, Brown University and Brandeis University

POSTERS

- 2025 — FPSAC, Hokkaido University
- 2024 — FPSAC, Ruhr University
- 2024 — IPAM Workshop on Vertex Models, UCLA

TEACHING

- 2026 — Math 104: Real Analysis, University of California, Berkeley
- Fall 2025 — Math 185: Complex Analysis, University of California, Berkeley
- Spring 2025 — Math 22b: Vector Calculus, Harvard University
- Spring 2024 — Math 21b: Linear Algebra, Harvard University
- Spring 2023 — Math 21b: Linear Algebra, Harvard University
- Spring 2022 — Math 21a: Multivariable Calculus, Harvard University

HONORS

- 2019 — Alice T. Schafer Prize, Runner-up, Association for Women in Mathematics

EDUCATION

Harvard University
Ph.D. in Mathematics. Advisor: Lauren K. Williams. *2025*
University of California, Berkeley
B.A. in Mathematics. Highest Honor. *2020*