

Eden Kuperwasser

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<https://edenkup.github.io>



Research interests

Ramsey theory and probabilistic combinatorics.

Education

- **Tel Aviv University** — PhD in Mathematics, ongoing
Advisor: Wojciech Samotij
- **Tel Aviv University** — MSc in Mathematics, 2020
Summa Cum Laude (final grade: 99/100)
Advisor: Wojciech Samotij
Thesis: A sharp threshold for Schur's theorem in the integers modulo a prime
- **Bar Ilan University** — BSc in Mathematics, 2012
Summa Cum Laude (final grade: 98/100)

Publications and preprints

- **On the anti-Ramsey Threshold**
E. Kuperwasser
European J. Combinatorics (minor revisions requested), preprint [arXiv:2501.03439](https://arxiv.org/abs/2501.03439).
- **Sharp thresholds for Ramsey properties**
E. Friedgut, E. Kuperwasser, W. Samotij, and M. Schacht
Forum of Mathematics, Sigma (revisions submitted), preprint [arXiv:2207.13982](https://arxiv.org/abs/2207.13982).
- **On the Kohayakawa–Kreuter conjecture**
E. Kuperwasser, W. Samotij, and Y. Wigderson
Mathematical Proceedings of the Cambridge Philosophical Society, 178, (2025), 293–320.
- **The list-Ramsey threshold for families of graphs**
E. Kuperwasser and W. Samotij
Combinatorics, Probability and Computing, 33, (2024), 829–851.
- **List Ramsey Numbers**
N. Alon, M. Bucić, T. Kalvari, E. Kuperwasser, and T. Szabó
J. Graph Theory 96 (2021), 109–128.
- **Approachability with Constraints**
G. Fournier, E. Kuperwasser, O. Munk, E. Solan, and A. Weinbaum
European J. of Operational Research 292 (2021), 687–95.

Conference and seminar talks

- **Technion Combinatorics seminar** — Haifa 2025, 2022
- **Bar Ilan Combinatorics seminar** — Ramat-Gan 2024, 2022
- **TAU Combinatorics seminar** — Tel-Aviv 2024, 2024, 2022, 2020
- **Polish Combinatorial Conference** — Bedlewo 2024
- **HUJI Combinatorics seminar** — Jerusalem 2024
- **Random Structures & Algorithms** — Pittsburgh 2023, Gniezno 2022
- **IMU student talks** — Tel-Aviv 2020

Research activities

- **Graduate summer school in Extremal and Probabilistic Combinatorics**
IAS / Park City mathematics institute 2025
- **Workshop on Ramsey theory**
Tel Aviv University 2020
- **Workshop on graph and hypergraph colouring**
Freie Universität Berlin 2018

Teaching experience

I have been a **Teaching Assistant** in the following courses:

- Introduction to Probability
- Introduction to Combinatorics
- Number theory
- Group theory

Honours and awards

- **Dean's list** — Bar Ilan University 2011, 2012
- **First place, Students math competition** — Bar Ilan University 2012