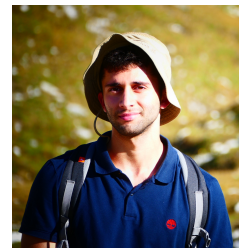


Yuval Yifrach

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Education

Ph.D., Technion - Israel Institute of Technology, Department of Mathematics 2020-2024 (Expected)

Advisor: Uri Shapira

Current GPA: 96.7/100

M.Sc., Technion - Israel Institute of Technology, Department of Mathematics 2018-2020

Advisor: Emanuel Milman

Thesis title: Regular Random Sections of Convex Bodies and the Random Quotient-of-Subspace Theorem

GPA: 93.3/100, Thesis Grade: 94/100,

B.A., Technion - Israel Institute of Technology, Department of Mathematics 2015-2018

GPA: 92.5/100

Papers

- E. Milman and Y. Yifrach. "Random Sections of Convex Bodies and the Random Quotient-of-Subspace Theorem". *J. Func. Anal.* 281 (7) 109133, 2021.
- Y. Yifrach. "A Note about Weyl Equidistribution Theorem" Preprint arXiv:2201.07138(2022), submitted.
- Y. Yifrach. "The Equidistribution of Grids of Rings of Integers in Number Fields of Degrees 3,4 and 5." Preprint arXiv:2201.10942(2022), submitted.
- O.N. Solan and Y. Yifrach. "Tori Approximation of Families of Diagonally Invariant Measures" Preprint arXiv:2301.00721(2023), accepted to GAFA.
- G. Lachman, A. Rao, U. Shapira and Y. Yifrach. " k -Divergent Lattices".

Presentations & Posters

- June 2023, PET Seminar, Ben-Gurion University: "Tori Approximation of Diagonally Invariant Measures".
- April 2023, Group, Dynamics and Related Topics Seminar, Technion: "Tori Approximation of Diagonally Invariant Measures".
- February 2023, Diophantine Approximation conference mini-workshop, Technion: "Equidistribution of Grids of Rings of integer in ranks 3, 4, 5."
- January 2023, Poster at Jacobs Research Day, Technion: "Number Theoretic Dynamics is Rich!".
- December 2022, Dynamics Seminar at HUJI: "The Equidistribution of Grids of Rings of Integers in Number Fields of Degrees 3,4 and 5".
- September 2022, IMU Students Day at BGU University: "The Equidistribution of Grids of Rings of Integers in Number Fields of Degrees 3,4 and 5."
- June, 2022, Group, Dynamics and Related Topics Seminar, Technion: "Multidimensional Weyl Theorem".
- April 2022, Talk at "Introduction to Research Day", Technion: "Understanding Algebra using Probability".

- April 2022, Group, Dynamics and Related Topics Seminar, Technion: "On Grids Corresponding to Number Fields, their Distribution, and a Generalized Weyl Theorem".
- March 2022, Bar-Ilan Algebra Seminar: "On Grids Corresponding to Number Fields, their Distribution, and a Generalized Weyl Theorem".
- May 2021, AGA Seminar Tel-Aviv University: "Regular Random Sections of Convex Bodies and the Random Quotient-of-Subspace Theorem".

Teaching Experience

- Mentoring Technion-China summer projects Technion - Israel Institute of Technology Summer 2023
- Complex Analysis, Technion - Israel Institute of Technology Spring 2023
- Set Theory, Technion - Israel Institute of Technology Spring 2022
- Real Analysis, Technion - Israel Institute of Technology Winter 2021
- Complex Analysis, Technion - Israel Institute of Technology Spring 2020
- Calculus 2, Technion - Israel Institute of Technology Winter 2020
- Teaching Calculus 2 in a student union program, Technion - Israel Institute of Technology Winter 2019
- Teaching and mentoring math to minorities Technion - Israel Institute of Technology Ongoing

Awards & Honors

- Gutwirth Excellence Scholarship 2022
- Dean Excellency during B.Sc studies 2018
- President Excellency during B.Sc studies 2017

Languages

Hebrew - mother tongue, English, German (partially, learning for several years).

Interests

Long distance running, weightlifting, chess.