

Research interests

Number theory, algebraic geometry

Employment

- **Hebrew University of Jerusalem** Israel
Senior Lecturer (tenure-track) Fall 2023 –
- **University of Georgia** USA
Limited Term Assistant Professor Spring 2021 – Spring 2023
- **Mathematical Sciences Research Institute** USA
Postdoctoral Fellow Fall 2020

Education

- **Massachusetts Institute of Technology** USA
PhD, advisor Bjorn Poonen 2015 – 2020
- **Kharkiv, V.N. Karazin National University** Ukraine
BSc in Pure Mathematics 2011 – 2015

Research Publications

1. B. Kadets, I. Vogt “Subspace configurations and low degree points on curves”, *Advances in Mathematics*, **460** (2025), arXiv
2. B. Kadets, D. Litt “Level structure, arithmetic representations, and noncommutative Siegel linearization”, *J. Reine Angew. Math.* **788** (2022), arXiv
3. P. Dittmann, B. Kadets “Odoni’s conjecture on arboreal Galois representations is false”, *Proc. Amer. Math. Soc.* **150** (2022), arXiv
4. B. Kadets “Sectional monodromy groups of projective curves” – *Jour. London Math. Soc.* (2) **103** (2021) arXiv
5. B. Kadets “Estimates for the number of rational points on simple abelian varieties over finite fields” – *Math. Zeitschrift* **297** (2021), arXiv
6. S. Hashimoto and B. Kadets “38406501359372282063949 & all that: Monodromy of Fano Problems” – *International Mathematics Research Notices* no. 5 (2020), arXiv
7. B. Kadets “Large arboreal Galois representations” – *Journal of Number Theory*, **210** (2020) 416-430, arXiv
8. B. Kadets, E. Karolinsky, A. Stolin, I. Pop “Classification of quantum groups and Belavin-Drinfeld cohomologies for orthogonal and symplectic Lie algebras” – *J. Math. Phys.*, **57**, 051707 (2016), arXiv
9. B. Kadets, E. Karolinsky, A. Stolin, I. Pop “Classification of quantum groups and Belavin-Drinfeld cohomologies” – *Communications in Mathematical Physics*, **344**, 1, 2016, p. 1-24, arXiv
10. C. Eagle, I. Farah, B. Hart, B. Kadets, V. Kalashnyk, M. Lupini “Fraïssé limits of C*-algebras” – *J. Symb. Logic*, **81**(02), 2016, arXiv

11. B. Kadets, E. Karolinsky, A. Stolin, I. Pop “Quantum groups: from Kulish-Reshetikhin discovery to classification” – Zap. Nauchn. Sem. POMI, **433**, 2015, p.186-196, arXiv

Preprints

1. B. Kadets, D. Keliher “Exponents of Jacobians and relative class groups”, arXiv
2. B. Kadets “Galois specialization to symmetric points and the inverse Galois problem up to S_n ”, arXiv

Other writing

1. R. Bell, B. Kadets, P. Srinivasan, N. Triantafillou, I. Vogt “Practical Suggestions for Mathematical Writing”, Notices of the AMS, **68**, 6, (2021)

Recent Invited Talks

- Algebraic Points on Curves, Institute for Computational and Experimental Mathematics, Providence, RI, 2025
- Number theory, quantum chaos, and their interfaces, Tel Aviv, 2025
- University of Virginia, Number Theory seminar, 2025
- Ben-Gurion University, Algebraic Geometry and Number Theory seminar, 2024
- Gordon workshop on Dynamics and Number theory, Hebrew University, 2024
- Isogeny-based Post-Quantum Cryptography, Hebrew University, 2024
- European Mathematics Congress, Mini-Symposia on Inverse Galois theory, Seville, 2024
- Bar-Ilan University, Colloquium, 2024
- Massachusetts Institute of Technology, joint session of Harvard-MIT Algebraic Geometry seminar and MIT Number theory seminar, 2024
- Boston University, Number Theory seminar, 2024

Recent Service

- REU at Hebrew University, organizer, 2025
- Graduate admissions, Hebrew University 2024-25
- “Spectra of locally symmetric geometries”, Mark Gordon workshop, organizer, Hebrew University 2024
- Algebraic Geometry and Number Theory seminar, organizer, Hebrew University, 2024
- “Algebraic Geometry of Circles and Triangles”, public lectures, International Center for Mathematics in Ukraine, 2024