Borys Kadets

July 2, 2023
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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, D. Litt "Level structure, arithmetic representations, and noncommutative Siegel linearization", J. Reine Angew. Math. **788** (2022), arXiv
2. P. Dittmann, B. Kadets "Odoni's conjecture on arboreal Galois representations is false", Proc. Amer. Math. Soc. **150** (2022), arXiv
3. B. Kadets "Sectional monodromy groups of projective curves"– Jour. London Math. Soc. (2) **103** (2021) arXiv
4. B. Kadets "Estimates for the number of rational points on simple abelian varieties over finite fields" – Math. Zeitschrift **297** (2021), arXiv
5. S. Hashimoto and B. Kadets "38406501359372282063949 & all that: Monodromy of Fano Problems" – International Mathematics Research Notices no. 5 (2020), arXiv
6. B. Kadets "Large arboreal Galois representations" – Journal of Number Theory, **210** (2020) 416-430, arXiv
7. 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
8. 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
9. C. Eagle, I. Farah, B. Hart, B. Kadets, V. Kalashnyk, M. Lupini "Fraïssé limits of C*-algebras" – J. Symb. Logic, **81**(02), 2016, arXiv
10. 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, I. Vogt "Subspace configurations and low degree points on curves", 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 Research Talks

- "Trivial level structures on abelian schemes", University of Georgia, 2023
- "Complexity of solutions: arithmetic and geometry", Boston University, 2023
- "Subspace configurations and low degree points on curves", Diophantine Arithmetic Geometry and Number Theory, Toronto, 2022
- "Subspace configurations and low degree points on curves", Tel Aviv University, 2022
- "Low degree points and subspace configurations", Hebrew University of Jerusalem, 2022
- "Subspace configurations and low degree points on curves", Emory University, 2022

Professional activities

- ADDING (Anabelian Days Down in Georgia) workshop organizer, 2022
- MSRI Summer School on "Sparsity of Algebraic points", Teaching Assistant, 2021
- ZaZoom (Zannier on Zoom) seminar co-organizer, UGA, Fall 2020
- STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.) co-organizer, MIT, Fall 2019
- Math Research Community "Explicit Methods in Arithmetic Geometry in Characteristic p" assistant, 2019
- MIT Friends of the Arts co-organizer, 2018-2019
- STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.) co-organizer, MIT, Fall 2018
- STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.) co-organizer, MIT, Spring 2017
- SPUR (Summer Program in Undergraduate Research) mentor, MIT, 2016
- PRIMES (Program for Research in Mathematics, Engineering and Science for High School Students) mentor, MIT, 2015-2016