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Education

Ph.D. in Mathematics, University of British Columbia, 2023 - present.

M.Sc. in Mathematics, University of British Columbia, 2021 - 2023.

B.Sc. in Mathematics, Tel-Aviv University (graduated summa cum laude, 99/100), 2018 - 2021.

Employment

Teacher assistant, University of British Columbia, 2021 - present.

Teacher assistant, Tel-Aviv University, 2020.

Awards and honors

Four Year Doctoral Fellowship (4YF), UBC Graduate Studies, 2023 - present .

Tel-aviv University academic excellence scholarship, 2020-2021.

Young Weizmann scholars fellowship, yearly undergraduate research experience program, 2021.

Rector's honor list, Tel-aviv University, 2021.

Dean's honor list, Tel-aviv University, 2019-2020.

Publications

Lower bounds on the essential dimension of reductive groups. [arxiv:2411.03789](https://arxiv.org/abs/2411.03789). Posted November 2024.

Essential dimension of cohomology classes via valuation theory, joint with Zinovy Reichstein, to appear in Israel Journal of Mathematics, [arXiv:2401.0853](https://arxiv.org/abs/2401.0853). Posted January 2024.

Reduction of Structure to Parabolic Subgroups, Documenta Mathematica, 2022.

Distance between reproducing kernel Hilbert spaces and geometry of finite sets in the unit ball, joint with Satish K. Pandey and Orr Moshe Shalit, Journal of Mathematical Analysis and Applications, 2021.

Three classification results in the theory of weighted Hardy spaces on the unit ball, joint with Gilad Sofer, Complex Analysis and Operator Theory, 2021.

Invited talks

Springer's decomposition theorem for torsors and essential dimension, Workshop on Galois Cohomology and Massey products at uOttawa, June 2024.

Springer's decomposition theorem for torsors of semisimple groups, University of Alberta, April 2024.

Essential dimension of Brauer and Witt classes via valuation theory, Conference at BIRS, Motives and Invariants: Theory and Applications to Algebraic Groups and their Torsors, October 2023.

On the essential dimension of cycle modules, CMS Summer Meeting, June 2023.

Reduction of Structure to Parabolic Subgroups, Quadratic forms, Linear algebraic groups and Beyond online seminar, July 2022.

Last updated: November 7, 2024