LAST UPDATED: JULY 11, 2024

KYLE BINDER

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EDII	CATION
טעב	CALION

2019 - Spring 2025 (Expected) The Ohio State University M.S. & Ph.D. (Expected) in Mathematics Advisor: Eric Katz **Baylor University** 2015 - 2019B.A. in Mathematics and Linguistics **PAPERS** The Unipotent Tropical Fundamental Group with Eric Katz Preprint, arXiv:2406.13973. TALKS AND POSTERS Higher Tor Groups of Matroids May 2024 5 Minute Talk at Workshop of the Kentucky–Ohio Algebra Alliance (KOALA) Higher Tor Groups of Matroids April 2024 OSU Combinatorics and Probability Seminar What is the Cohomology of a Non-Compact Toric Variety? December 2023 Poster at Kentucky, Ohio, Indiana (KOI) Combinatorics Lectures Higher Tor Groups of Stanley–Reisner Rings of Matroids May 2023 5 Minute Talk at Workshop of the Kentucky–Ohio Algebra Alliance (KOALA) The Tropical Unipotent Fundamental Group January 2023 20 Minute Talk at Workshop on Matroids and Tropical Combinatorics (MaTroCom) A Survey of Tropical Cohomology September 2022 OSU Algebraic Geometry Seminar The Geometries of Hyperplane Arrangement Complements April 2022 OSU Student Algebraic Geometry Seminar *p*-adic Integration on Hyperelliptic Curves February 2021 OSU Student Algebraic Geometry Seminar **AWARDS** Distinguished University Fellowship 2019-2020, 2024-2025

Tibor Radó Research Semester

Spring 2021

TEACHING

OSU MATH 1131 – Business Calculus Recitation Instructor	Spring 2024
OSU MATH 1131 – Business Calculus Recitation Instructor	Autumn 2022
OSU MATH 1148 – College Algebra Recitation Instructor	Autumn 2021
OSU MATH 1148 – College Algebra Recitation Instructor, Virtual (Zoom)	Autumn 2020
Organizing	
OSU Directed Reading Program (DRP)	2021 – 2025
Kentucky, Ohio, Indiana (KOI) Combinatorics Lectures Local Organizer	December 2023