

Ali Alsetri

PhD student, University of Kentucky
alialsetri@uky.edu

RESEARCH INTERESTS

Additive Combinatorics, Analytic Number Theory

EDUCATION

University Of Kentucky Mathematics	August 2020 — May 2026 (expected)
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San Francisco State University, Master of Arts: Mathematics	2020
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University of California, Berkeley, Bachelor of Arts: Applied Mathematics	2017
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PUBLICATIONS

On Hilbert cubes and primitive roots in finite fields
Alsetri, A, Shao, X
Arch. Math. (Basel) 118 (2022), no. 1, 49-56.

Density versions of the binary Goldbach problem
Alsetri, A, Shao, X
Acta Arithmetica 218.3 (2025)

Density ternary Goldbach for primes in a fixed residue class
Alsetri, A
(2025+)

CONFERENCES AND TALKS

Integers Conference 2025

Athens, Georgia
Contributing Speaker

Midwest Arithmetic Geometry and Number Theory (MAGNTS) 2025

The Ohio State University
Poster Presentation

University of Kentucky Algebra seminar 2024

Speaker

Integers Conference 2023

Athens, Georgia
Contributing Speaker

Midwest Arithmetic Geometry and Number Theory (MAGNTS) 2023

University of Michigan
Poster Presentation

Inclusive Paths in Explicit Number Theory Summer School 2023

University of British Columbia - Okanagan (Virtually)

Southern Regional Number Theory Conference 2023

Louisiana State University
Contributing Speaker

Combinatorial Number Theory And Connected Topics (CONTACT II) 2023

Virtual Conference
Contributing Speaker

SELECTED GRADUATE COURSEWORK

- Real and Complex Analysis, Measure Theory, Functional Analysis
- Graph Theory, Enumerative Combinatorics
- Additive Combinatorics, Analytic Number Theory I and II
- Graduate Algebra, Representation Theory, Cluster Algebras
- Deep Learning

COURSES TAUGHT

- Multivariable Calculus
- Calculus I and II for Engineers and Scientists
- Calculus for Life Science Applications
- Calculus for Business Students