

Charles Wolf

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EDUCATION *PhD in Mathematics* September 2011 - May 2017 (Expected)
Rutgers University, the State University of New Jersey New Brunswick, NJ

BS in Mathematics September 2007 - December 2010
University of California, Los Angeles Los Angeles, CA

RESEARCH INTERESTS Discrete Geometry and Algebraic Applications to Combinatorics

PAPERS “On the number of ordinary lines determined by sets in complex space.”
Joint with Abdul Basit, Zeev Dvir, and Shubhangi Saraf. ArXiv:1611.08740

“Finite field Kakeya and Nikodym sets in three dimensions.”
Joint with Ben Lund and Shubhangi Saraf. ArXiv:1609.01048

TALKS AND PRESENTATIONS New York Combinatorics Seminar, CUNY Graduate Center, NY December 2016
(Upcoming)

NYU Geometry Seminar, NY December 2016
(Upcoming)

Topology and Geometry in a Discrete Setting, ICERM, RI November 2016
(Poster Presentation)

CONFERENCES ATTENDED Topology and Geometry in a Discrete Setting, ICERM, RI November 2016

Avi Wigderson’s 60th Birthday Workshop, Princeton, NJ October 2016

SIAM Conference on Discrete Mathematics, June 2016
Georgia State University, GA

AMS Eastern Sectional Meeting, Rutgers University, NJ November 2015

Finding Algebraic Structures in Extremal Combinatorial Configurations Workshop, IPAM, CA May 2014

**TEACHING
EXPERIENCE**

Instructor at Rutgers

Abstract Algebra (Math 351)	Summer 2016
Linear Algebra (Math 250)	Spring 2015
Calculus I (Math 151)	Summer 2014
Calculus I (Math 151)	Summer 2013

Teaching Assistant at Rutgers

Linear Algebra (Math 250)	Spring 2016
Differential Equations (Math 244)	Fall 2015
Multivariable Calculus (Math 251)	Fall 2014
Abstract Algebra (Math 351)	Spring 2014
Multivariable Calculus (Math 251)	Fall 2013
Differential Equations (Math 244)	Spring 2013
Multivariable Calculus (Math 251)	Fall 2012

AWARDS

TA Teaching Excellence Award	Fall 2015
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PROJECTS

<i>Online Placement Exam and Quizzes Developer</i> I am creating a database of multiple choice questions for the Rutgers Online Placement Exam. Also, I am creating a database of free-response questions for the Rutgers online recitation sessions for Pre-Calculus.	September 2016-June 2017
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