

Hunter Lehmann

CONTACT INFORMATION	Department of Mathematics University of Kentucky 719 Patterson Office Tower Lexington, Kentucky 40506	hunter.lehmann@uky.edu https://hunterlehmann.github.io (360)–509–3351
RESEARCH INTERESTS	Algebraic coding theory, especially properties of subspace codes.	
EDUCATION	University of Kentucky Ph.D. Candidate, Mathematics (expected May 2021) Advisor: Dr. Heide Gluesing-Luersssen M.A. in Mathematics, May 2018 Seattle University B.S. in Mathematics, June 2016, graduated summa cum laude.	
PUBLICATIONS	H. Gluesing-Luersssen, H. Lehmann, <i>Automorphism groups and isometries for cyclic orbit codes</i> , preprint, arXiv:2101.09548. H. Gluesing-Luersssen, H. Lehmann, <i>Distance distributions of cyclic orbit codes</i> , Designs, Codes, and Cryptography, 89(3), 447-470 (2021) B. Larsen, H. Lehmann, A. Park, L. Robertson, <i>Coprime mappings on n-sets</i> , Integers, 17 (2017), Paper No. A51, 11 pp. S. Klee, H. Lehmann, A. Park, <i>Prime labeling of families of trees with the Gaussian integers</i> , AKCE International Journal of Graphs and Combinatorics, 13, (2016), no. 2, 165–176. H. Lehmann, A. Park, <i>Prime labeling of small trees with the Gaussian integers</i> , Rose-Hulman Undergraduate Math Journal, 17 (2016), no. 1, 27pp.	
TEACHING EXPERIENCE	Primary Instructor, Calculus III Primary Instructor, Problem Solving for Middle School Teachers Primary Instructor, College Algebra Recitation Leader, Calculus III Primary Instructor, Calculus III Primary Instructor, Problem Solving for Middle School Teachers Facilitator, First-Year Graduate Student Seminar Recitation Leader, Calculus I Workshop Leader, MathExcel Calculus II Workshop Leader, MathExcel Calculus I Primary Instructor, Calculus II Primary Instructor, Math Prob Solving for Elementary Teachers Recitation Leader, Calculus I Primary Instructor, Calculus II Recitation Leader, Calculus II Recitation Leader, Calculus I	Spring 2021 Spring 2021 Winter 2020 Fall 2020 Summer 2020 Spring 2020 Fall 2019 Fall 2019 Spring 2019 Fall 2018 Summer 2018 Spring 2018 Fall 2017 Summer 2017 Spring 2017 Fall 2016

RESEARCH EXPERIENCE	NSF Mathematical Sciences Graduate Internship, Oak Ridge National Laboratory, Summer 2019	
	SUMMER Program REU in Number Theory and Combinatorics, Seattle University, Summer 2015	
INVITED TALKS	<i>Automorphisms of Cyclic Orbit Codes</i> , Discrete Math Seminar, University of Nebraska-Lincoln (February 8, 2021)	
	<i>Minisymposium Talk</i> , 23rd Conference of the International Linear Algebra Society, Galway (June 22-26, 2020) - Deferred due to COVID-19	
	<i>Distance distributions of nearly-optimal cyclic orbit codes</i> , AMS Spring Central Sectional Meeting, Purdue University (April 5, 2020) - Canceled due to COVID-19	
	<i>Distance distributions of cyclic orbit codes</i> , Joint Math Meetings 2020, Denver (January 15, 2020)	
HONORS AND AWARDS	Certificate for Outstanding Teaching	2020
	College of Arts and Sciences, University of Kentucky	
	Enochs Scholarship in Algebra	2019
	Department of Mathematics, University of Kentucky	
	John Ju Award	2016
	College of Science and Engineering, Seattle University	
	Janet E. Mills Award for Undergraduate Research	2016
	Department of Mathematics, Seattle University	
	Meritorious Winner, Mathematical Competition in Modeling	2016
SERVICE & OUTREACH	University of Kentucky Math Graduate Student Council Co-chair	2019–2020
	Lexington Math Circle Assistant	2019
	Graduate Student Mentor	2018–2019
	Volunteer for Julia Robinson Math Festival	Nov. 2018
	Panelist for “Advice for first-year success”	Aug. 2017
CONFERENCE TALKS & POSTERS	<i>Distance distributions of cyclic orbit codes</i> , EKU Symposium in Math, Eastern Kentucky University (April 26, 2019)	
	<i>Prime labeling with the Gaussian integers</i> , Undergraduate Poster Session, 2016 Joint Math Meetings. (January 2016)	
OTHER TALKS	<i>Distance distributions of cyclic orbit codes</i> , Algebra Seminar, University of Kentucky (November 12, 2019)	
	<i>Latin squares, affine planes, and a Russian general</i> , Graduate Student Colloquium, University of Kentucky (October 16, 2019)	
	<i>Some properties of skew polynomial rings</i> , Graduate Student Colloquium, University of Kentucky (February 20, 2019)	
	<i>Sidon spaces and subspace codes</i> , Algebra Seminar, University of Kentucky (November 13, 2018)	
	<i>Sidon spaces and cyclic subspace codes</i> , Graduate Student Colloquium, University of	

Kentucky (September 12, 2018)

How to explain zero-knowledge proofs to children (and maybe other people too), Graduate Student Colloquium, University of Kentucky (April 25, 2018)

Subspace polynomials and cyclic subspace codes, Algebra Seminar, University of Kentucky (April 11, 2018)

Prime labeling of trees, Graduate Student Colloquium, University of Kentucky (April 12, 2017)

CONFERENCES &
WORKSHOPS
ATTENDED

- Dagstuhl Seminar 18511, ‘Algebraic Coding Theory for Networks, Storage, and Security’, Wadern, Germany, Dec. 16-21, 2018
 - Supported by the Schloss Dagstuhl – NSF Support Grant for Junior Researchers.