

CONTACT INFORMATION	427C Boyd Graduate Studies Center Department of Mathematics University of Georgia Athens, GA 30602 USA	706-542-2641 jdoyle@math.uga.edu http://www.math.uga.edu/~jdoyle
CITIZENSHIP	USA	
EDUCATION	Ph.D., Mathematics, University of Georgia • Advisor: Robert Rumely	(in progress)
	M.A., Mathematics, University of Georgia	Fall 2010
	B.S., Mathematics, University of Georgia • With highest honors, <i>summa cum laude</i> • Minor in Spanish	Spring 2008
RESEARCH INTERESTS	Algebraic Number Theory Arithmetic Dynamics	
RESEARCH EXPERIENCE	VIGRE Research Group Member Arithmetic Dynamics Led By Robert Rumely and Xander Faber	Fall 2010 – Spring 2011
	VIGRE Research Group Member Circle Packing Led by Sa'ar Hersonsky and Michael Ching	Fall 2008 – Spring 2010
PAPERS	<i>Computation of preperiodic structures of quadratic polynomials over number fields</i> (with Xander Faber and David Krumm) In preparation.	
	<i>Computing numbers of bounded height</i> (with David Krumm) Submitted. (arXiv:1111.4963)	
	<i>Apollonian circle packings of the half-plane</i> (with Michael Ching) To appear in J. Comb. (arXiv:1102.1628)	
TALKS	<i>Rational preperiodic points of quadratic polynomials over \mathbb{Q}</i> UGA Oral Exam Presentation	August 31, 2011
	<i>Algorithms in Cryptology</i> UGA Mock AMS Conference	July 29, 2011
	<i>Computing preperiodic graphs: toward an extension of Poonen's conjecture</i> UGA Arithmetic Dynamics Summer School Program	May 16, 2011

	<i>Apollonian Circle Packings and Continued Fractions</i> UGA Number Theory Seminar	February 16, 2011
	<i>Semi-bounded Apollonian Circle Packings</i> UGA Mock AMS Conference	July 27, 2010
CONFERENCES ATTENDED	Global Arithmetic Dynamics ICERM Poster: <i>Computing Numbers of Bounded Height</i>	March 19 – 23, 2012
	Palmetto Number Theory Series XVI Emory University	September 10 – 11, 2011
	Arithmetic Dynamics Summer School Program University of Georgia	May 16 – 27, 2011
TEACHING EXPERIENCE	<i>Instructor</i> <ul style="list-style-type: none"> • MATH1113 (Precalculus) • MATH2200 (Analytic Geometry and Calculus) • MATH2250 (Calculus I for Science and Engineering) <i>Grader</i> <ul style="list-style-type: none"> • MATH3500 (Multivariable Mathematics I) • MATH3510 (Multivariable Mathematics II) • MATH4000/6000 (Abstract Algebra I) • MATH8000 (Algebra I) 	Fall 2009, Fall 2011 Spring 2010 Summer, Spring 2012 Fall 2007 Spring 2008 Fall 2009 Fall 2011
HONORS AND AWARDS	B. J. Ball Scholarship VIGRE Fellowship VIGRE Fellowship	Spring 2012 Fall 2010 – Summer 2011 Fall 2008 – Summer 2009