

Kirsti Biggs

CONTACT INFORMATION	Howard House, University of Bristol Queen's Avenue, Bristol, BS8 1SD http://people.maths.bris.ac.uk/~kb15101/	
RESEARCH INTERESTS	Analytic number theory, in particular the Hardy–Littlewood circle method, Diophantine equations and inequalities including various analogues of Waring's problem. Also interested in Diophantine approximation and additive combinatorics.	
EDUCATION AND EMPLOYMENT	PhD in Mathematics, University of Bristol Supervisor: Prof. Trevor D. Wooley	Sept 2015–present
	Internal Auditor, Manchester Growth Company	2014–2015
	Associate / Senior Associate, PwC ACA chartered accountancy qualification	2011–2014
	MMath in Mathematics, University of Oxford First Class Honours	2007–2011
AWARDS AND PRIZES	Heilbronn Focused Research Grant (£7,500)	2018
	EPSRC Doctoral Training Partnership	2015–2019
	ICAEW prizes Financial Accounting/Management, International Order of Merit	2012–2013
	Magdalen College Demyship, Years 2, 3 and 4	2008–2010
PREPRINTS AND PUBLICATIONS	Almost equal summands in Waring's problem with shifts, <i>Monatsh. Math.</i> 188 (2019), no. 1, 31–35	
	On the asymptotic formula in Waring's problem with shifts, <i>Journal of Number Theory</i> 189 (2018), 353 – 379	
	Lower bounds for heights in relative Galois extensions, (with S. Akhtari, K. Aktaş, A. Hamieh, K. Petersen, L. Thompson), in <i>WINE II: Contributions to Number Theory and Arithmetic Geometry</i> (2018)	
TALKS AND PRESENTATIONS	Joint Mathematics Meetings, Baltimore—Invited Paper Session “Efficient congruencing in ellipsephic sets”	Jan 2019
	CMS Winter Meeting, Vancouver—Special Session “Efficient congruencing in ellipsephic sets”	Dec 2018
	Canadian Number Theory Association XV, Québec “Efficient congruencing in ellipsephic sets”	July 2018
	Postgraduate Two-Minute Talks, University of Bristol “Treasure Hunting in Bedford County”—Best Presented Talk	May 2018
	Linfoot number theory seminar, University of Bristol “Efficient congruencing in ellipsephic sets”	May 2018
	MINGLE postgraduate conference, University of Bristol “How to stack 8-dimensional cannonballs”	Sept 2017
	BOWL 1-day meeting in Additive Combinatorics, Warwick “Waring's problem with shifts”	Sept 2017
	Where Geometry meets Number Theory, Gothenburg “Waring's problem with shifts”	Jul 2017

	XXX th Journées Arithmétiques, Caen “Waring’s problem with shifts”	Jul 2017
	Postgraduate Two-Minute Talks, University of Bristol “What’s the best way to cut a pizza?”	May 2017
	Linfoot number theory seminar, University of Bristol “Waring’s problem with shifts”	Mar 2017
	Number theory seminar, University of Manchester “Waring’s problem with shifts”	Mar 2017
	LGBT STEMinar, Sheffield Poster (with Wrenna Robson): Perspectives on Number Theory	Jan 2017
	Pure postgraduate seminar, University of Bristol “Waring’s problem with shifts”	Oct 2016
	Young Researchers in Mathematics 2016, St Andrews “Waring’s problem with shifts”	Aug 2016
	Postgraduate Two-Minute Talks, University of Bristol “The ends of prime numbers”	May 2016
	Linfoot number theory seminar, University of Bristol “The Weil conjectures and lines on cubic hypersurfaces I”	Nov 2015
WORKSHOPS ATTENDED	Height Functions and Lehmer-type Problems, Bristol	Oct 2018
	Harmonic Analysis: New Developments on Oscillatory Integrals, Rhode Island	June 2018
	Arbeitsgemeinschaft in Additive Combinatorics, Entropy, and Fractal Geometry, Oberwolfach	Oct 2017
	Thematic Program on Unlikely Intersections, Heights, and Efficient Congruencing, Fields Institute, Toronto	Feb-Mar 2017
	Arbeitsgemeinschaft in Diophantine Approximation, Fractal Geometry and Dynamics, Oberwolfach	Oct 2016
	Women in Numbers Europe II, Leiden Project: Heights of Algebraic Integers	Sept 2016
TEACHING EXPERIENCE	Teaching assistant at CMI-LMS Research School, Exeter New Trends in Analytic Number Theory	Aug 2018
	Lecturer for 3rd year Number Theory (two lectures)	Apr 2018
	Teaching Support Assistant Foundations & Proof, Analysis 1, Intro to Group Theory	Sept 2015–Dec 2016
	Private tutor for undergraduate student	Oct–Dec 2014
OTHER ACTIVITIES	Reviewer, Mathematical Reviews	2018–present
	Event Manager, Pint of Science 2017	May 2017
	Co-organiser, MINGLE 2016 (postgraduate student conference)	Sept 2016
	Organiser, Postgraduate Two-Minute Talks	May 2016
	Postgraduate Representative	2015–2017
	GLEE@PwC diversity committee	2012–2014