

Jonathan Gabriel Bradley-Thrush

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EDUCATION

University of Florida, Gainesville, Florida, USA

- PhD candidate 2021 – present
 - Thesis: Symmetries in the theory of basic hypergeometric series (in progress)
 - Supervisor: Prof. Francis Garvan
 - Focus: Basic hypergeometric series, theory of integer partitions, special functions
- Postgraduate in Mathematics 2018 – present
 - Cumulative GPA (grade point average): 4.00/4.00

Gonville & Caius College, University of Cambridge, Cambridge, Cambridgeshire, UK

- BA in Mathematics 2014 – 2017

PUBLICATIONS

JOURNAL ARTICLES

- [1] *Properties of the Appell–Lerch function (I)*. Ramanujan J. **57**, no. 1 (2022), pp. 291–367

ARTICLES SUBMITTED

- [2] *Applications of Tannery’s theorem to Bailey’s ${}_6\psi_6$ summation*

ARTICLES IN PREPARATION

- [3] *Basic hypergeometric series with symmetry in four variables*
- [4] *Note on a calculation in Ramanujan’s third notebook involving polylogarithms and the golden ratio*
- [5] *The branches of the Lambert W function*
- [6] *Evaluation of series and products containing radical terms*
- [7] *Properties of the Appell–Lerch function (II)*

TALKS GIVEN

INVITED SPEAKER

- JMM special session on Early Career Number Theory Research with Combinatorics, Modular Forms, and Basic Hypergeometric Series (online) *Telescoping q -series* April 9, 2022
- AMS special session on q -Series and Related Areas in Combinatorics and Number Theory, Pennsylvania State University (online) *A derivation of some expansions of Hecke–Rogers type* October 3, 2020
- AMS special session on Partition Theory and Related Topics, University of Florida *Properties of the Appell–Lerch function* November 2, 2019

SEMINARS

- Number theory seminar, University of Florida *Ferrers diagrams, WZ pairs, and arbitrary sequences* February 21, 2023
- Partition theory, q -series and related topics, Michigan Technological University (online) *Basic hypergeometric summation theorems with symmetry in four variables* November 10, 2022
- Number theory seminar, University of Florida *Unilateral and bilateral summation theorems in the theory of basic hypergeometric series* March 15, 2022
- Graduate Mathematics Association, University of Florida *Theta functions and mock theta functions in additive number theory* March 11, 2020
- Number theory seminar, University of Florida *Properties of the Appell–Lerch function* October 22, 2019

OTHER ACTIVITIES

JOURNALS REFEREED

- Journal of the Ramanujan Mathematical Society
- The Ramanujan Journal

TEACHING EXPERIENCE

- Teaching Assistant, University of Florida
 - MAC1140 Precalculus Algebra Autumn 2018
 - MAC1147 Precalculus Algebra and Trigonometry Spring 2019, Autumn 2020
 - MAC2313 Analytic Geometry and Calculus 3 Spring 2021
 - MAC2313 Analytic Geometry and Calculus 1 Autumn 2022

OTHER PART-TIME EMPLOYMENT

- Research Assistant, University of Florida 2019–20, 2021–22

AWARDS & SCHOLARSHIPS

- Kenneth and Janet Keene Dissertation Fellowship 2022
College of Liberal Arts and Sciences, University of Florida
- Joseph A. Alfred Graduate Award 2019
Mathematics Department, University of Florida
For performance in first year postgraduate exams
- Scholarship 2015–2017
Gonville & Caius College
- Michael Latham Prize for Mathematics 2015
Gonville & Caius College
For performance in first year undergraduate exams
- College Book Prize 2015
Gonville & Caius College

REFERENCES

- **Francis Garvan**
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Reference letters are sent out by Margaret Somers, office manager at the Department of Mathematics. Please use the email addresses msomers+garvan@ufl.edu, msomers+huang@ufl.edu and msomers+york@ufl.edu if requesting reference letters.