

REED LEON GORDON-SARNEY

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EDUCATION

Emory University, Atlanta, GA

Ph.D. in Mathematics, 2017 (Expected)

M.A. in Mathematics, 4.0 GPA, 2015

Advisor: Raman Parimala

Wesleyan University, Middletown, CT

B.A. in Mathematics, 4.0 GPA, 2012

Advisor: Carol Wood

AWARDS

Emory, Mathematics Graduate Student Research Award (Sole Recipient)

Emory, George W. Woodruff Fellowship (1 of 15 Awarded University-Wide)

Wesleyan, High Honors in Mathematics (Sole Recipient)

Wesleyan, Rice Prize (Top Senior in Mathematics)

Wesleyan, Phi Beta Kappa (Early Election)

Wesleyan, Rae Shortt Prize (Top Junior in Mathematics)

RESEARCH

Galois cohomology, linear algebraic groups, the Brauer group,
division algebras, space-time block coding

PAPERS

Totaro's Question for Zero-Cycles on Torsors

(joint with V. Suresh, in preparation)

Totaro's Question for Adjoint Groups of Types A_1 and A_{2n}

(to appear in *Proceedings of the AMS*)

Totaro's Question for Tori of Low Rank

(to appear in *Transactions of the AMS*)

TEACHING

Emory University

Calculus I, Instructor, Spring 2016

Calculus II, Instructor, Fall 2015

Getting a Leg Up at Emory, Tutor, Summer 2015

Calculus II, Instructor, Spring 2015

Calculus II, Instructor, Fall 2014

Introduction to Probability & Statistics, Instructor, Spring 2014

Introduction to Probability & Statistics, Instructor, Fall 2013

Abstract Vector Spaces, Teaching Assistant, Spring 2013

Multivariable Calculus, Teaching Assistant, Fall 2012

TEACHING
(CONT'D)

Wesleyan University

Discrete Mathematics, Teaching Assistant, Spring 2012
Abstract Algebra, Teaching Assistant, Fall 2011
Linear Algebra, Teaching Assistant, Spring 2011
Multivariable Calculus, Teaching Assistant, Fall 2010

Ohio State University

Ross Mathematics Program, Counselor, Summer 2011

CONFERENCES
& WORKSHOPS

Arithmetic Algebraic Geometry

New York University, New York, NY, August 2016

Georgia Algebraic Geometry Symposium

Emory University, Atlanta, GA, October 2015

Workshop on Local-Global Principles and Their Obstructions

University of Pennsylvania, Philadelphia, PA, October 2015

The Use of Linear Algebraic Groups in Geometry and Number Theory

BIRS, Banff, Alberta, Canada, September 2015

The 12th Brauer Group Conference

Colorado State University, Pingree Park, CO, June 2015

Meeting on Algebraic Geometry for Applications

Georgia Institute of Technology, Atlanta, GA, April 2015

Arizona Winter School: Arithmetic and Higher-Dimensional Varieties

University of Arizona, Tucson, AZ, March 2015

Georgia Algebraic Geometry Symposium

University of Georgia, Athens, GA, October 2014

AMS Southeastern Spring Sectional Meeting

University of Tennessee, Knoxville, TN, March 2014

Georgia Algebraic Geometry Symposium

University of Georgia, Athens, GA, October 2013

Homotopical Methods in Algebraic Geometry

University of Southern California, Los Angeles, CA, May 2013

SELECTED TALKS

Totaro's Question for Linear Algebraic Groups of Low Rank

University of South Carolina Algebraic Geometry Seminar, September 2016

Totaro's Question for Tori of Low Rank

University of Georgia Algebra Seminar, April 2016

Totaro's Question for Tori of Low Rank

Emory Algebra and Number Theory Seminar, April 2016

Berkovich Spaces: Undergraduate Honors Talk

Wesleyan Graduate Student Seminar, April 2012

Ehrenfeucht–Fraïssé Games and First-Order Expressibility

Wesleyan Undergraduate Student Seminar, February 2012

Constructible Numbers: An Introduction to Algebraic Structures

Wesleyan Undergraduate Student Seminar, April 2011

REFERENCES

Raman Parimala (Advisor)
Emory University
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(404) 727-7577

Bree Ettinger (Teaching)
Emory University
betting@emory.edu
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