

David Galban

CONTACT INFORMATION

University of Georgia
Department of Mathematics
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RESEARCH INTERESTS

Lie theory, representation theory, and the use of methods from homological algebra.

EDUCATION

University of Georgia

Ph.D. Candidate, Mathematics (expected May 2022)

- Advisor: Daniel K. Nakano

University of South Carolina

B.S. in Mathematics, May 2016

- Degree in mathematics with distinction.

PUBLICATIONS

On first and second cohomology groups for BBW parabolics for classical Lie superalgebras (Submitted)

On sheaf cohomology for supergroups arising from simple classical Lie superalgebras (with D.K. Nakano) (Submitted)

TALKS

First and Second Cohomology Groups for BBW Parabolics for Lie Superalgebras, Colloquium, Institute of Mathematics, Academia Sinica. (May 2021)

First and Second Cohomology Groups for BBW Parabolics for Lie Superalgebras, Algebra Seminar, University of Georgia. (March 2021)

Representations of the Symmetric Group and Young Tableaux, Mock AMS Seminar, University of Georgia. (July 2020)

Results Independent from ZFC, Graduate Student Seminar, University of Georgia. (October 2019)

TEACHING EXPERIENCE

Spring	2022	Instructor, Calculus I
Fall	2021	Instructor, Precalculus
Spring	2021	Instructor, Calculus I
Fall	2020	Instructor, Precalculus
Fall	2019	Instructor, Precalculus
Spring	2018	Instructor, Calculus I
Fall	2017	Instructor, Precalculus

CONFERENCES ATTENDED	November 2021	AMS Fall Southeastern Sectional Meeting University of South Alabama
	October 2021	Southeastern Lie Theory Workshop XII College of Charleston
	October 2020	AMS Fall Western Sectional Meeting
	June 2019	Graduate Student Conference in Algebra, Geometry, and Topology Temple University
	May 2019	Southeastern Lie Theory Workshop XI Louisiana State University
SERVICE	2019–2020	AMS Graduate Student Chapter at UGA President
	2018–2019	UGA Graduate Student Seminar Coordinator University of South Carolina
	July 2018	UGA Math Camp Instructor
	October 2017	UGA High School Math Competition Proctor and Grader
HONORS AND AWARDS	2022	Outstanding Teaching Assistant University of Georgia
	2016	Outstanding Undergraduate Student in Mathematics University of South Carolina
	2015	Thomas Markham Mathematics Scholarship University of South Carolina
	2012–2016	McNair Scholar University of South Carolina
	2012–2016	Lieber Scholar University of South Carolina
GRADUATE COURSEWORK	<input type="checkbox"/> Lie Algebras	<input type="checkbox"/> Geometric Representation Theory
	<input type="checkbox"/> Quantum Groups	<input type="checkbox"/> Flag Varieties
	<input type="checkbox"/> Algebraic Groups	<input type="checkbox"/> Homological Algebra
	<input type="checkbox"/> Representations in Category \mathcal{O}	<input type="checkbox"/> Quiver Representations