William Goode

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Employment

Senior Lecturer, Vanderbilt University. (August 2023 – July 2024).

Graduate Teaching Fellow, University of North Texas. (August 2017 – May 2023).

Undergraduate Teaching Assistant, University of North Texas. (August 2014 – May 2017).

Education

Ph.D. in Mathematics, University of North Texas. (August 2017 – May 2023).

Dissertation title: *Annihilators of irreducible representations of the Lie superalgebra of contact vector fields on the superline.*
Advisor: Charles Conley.
GPA: 4.0.

B.S. in Mathematics, University of North Texas. (August 2013 – May 2017).

B.S. in Economics, University of North Texas. (August 2013 – May 2017).

Research

Journal Articles

An approach to annihilators in the context of vector field Lie algebras, C. Conley, W. Goode, *Expositiones Mathematicae*, Accepted. (arXiv : 2403.01728)

Annihilators of irreducible representations of the Lie superalgebra of contact vector fields on the superline, C. Conley, W. Goode. In preparation.

Annihilators of some inadmissible irreducible representations of the Lie algebra of vector fields on the line, W. Goode. In preparation.

Talks

Annihilators of Tensor Density Modules of Contact Vector Fields, W. Goode, Joint Mathematics Meeting, Boston, MA. (2023).

Annihilators of Tensor Density Modules of Contact Vector Fields, W. Goode, Graduate Algebra Group, University of North Texas, Denton, TX. (2022).

Honey, I Annihilated the Kids, W. Goode, Algebra Seminar, University of North Texas, Denton, TX. (2022).

Honey, I Annihilated the Kids, W. Goode, Graduate Algebra Symposium, University of Texas at Arlington, Arlington, TX. (2022).

Honey, I Annihilated the Kids, W. Goode, Graduate Algebra Group, University of North Texas, Denton, TX. (2022).

Research (continued)

I Ain't Afraid of No Ghost!, W. Goode, Algebra Seminar, University of North Texas, Denton, TX. (2021).

I Ain't Afraid of No Ghost!, W. Goode, Graduate Algebra Group, University of North Texas, Denton, TX. (2021).

Posters

Tensor Density Modules of Contact Vector Fields, W. Goode, Southwest Local Algebra Meeting (SLAM), Baylor University, Waco, TX. (2022).

Tensor Density Modules of Contact Vector Fields, W. Goode, Texas-Oklahoma Representations and Automorphic Forms (TORA), Oklahoma State University, Stillwater, OK. (2022).

Service

University of North Texas

Graduate Algebra Group Organizer. (August 2022 – Spring 2023).

Graduate Student Mentor. (August 2019 – May 2023).

Inclusivity, Equity, Diversity and Access Committee Student Representative. (August 2022 – December 2022).

Graduate Affairs Committee Student Representative. (Fall 2020 – Spring 2021).

Miscellaneous

Awards and Achievements

University of North Texas College of Science Dean's Doctoral Fellows Stipend, $5000. (2022).

University of North Texas Department of Mathematics Outstanding Graduate Student Award. (2023).

University of North Texas Department of Economics Jack Johnson Award for Top BA/BS. (2017).

Teaching

Vanderbilt University

MATH 1100, Survey of Calculus, 3 courses.

MATH 1201, Single-Variable Calculus II, 2 courses.

MATH 2810, Probability and Statistics for Engineering, 1 course.

University of North Texas – Instructor of Record

MATH 1680, Elementary Probability and Statistics, 3 courses.

MATH 1710, Calculus I, 3 courses.

MATH 1720, Calculus II, 3 courses.

Teaching (continued)

University of North Texas – Teaching Assistant

In this section, "course" means recitation section.

UGMT 1300, Developmental Mathematics, 2 courses.

MATH 1180, College Math for Business, Economics and Related Fields, 3 courses.

MATH 1650, Precalculus, 2 courses.

MATH 1680, Elementary Probability and Statistics, 21 courses.

MATH 1710, Calculus I, 13 courses.

MATH 1720, Calculus II, 9 courses.