

OMAR DENNAOUI

Department of Mathematics
Maxim Doucet Hall 315
University of Louisiana at Lafayette
Lafayette, LA 70504

Born: August 21, 1999
Citizenship: Lebanon
dennaoui@louisiana.edu

EDUCATION

University of Louisiana at Lafayette, Lafayette, LA, USA Ph.D. Mathematics Dissertation: Supervisors: Justin Lynd and Philip Hackney	Jan 2021 –
University of Balamand, Balamand, El-Koura, Lebanon B.S. Mathematics, with honors	Jan 2017 – Jun 2020

POSITIONS

University of Louisiana at Lafayette Graduate Teaching Assistant	Jan 2021 – Dec 2024
Graduate Research Assistant (Dr. Philip Hackney)	Jan 2025 –

RESEARCH INTERESTS

Structure and representation theory of finite groups, group cohomology. Fusion systems and related homotopy theory and homological algebra.

PUBLICATIONS

Contractibility of the orbit space of a saturated fusion system after Steinberg
([doi](#) [arXiv](#)), with [Jonathon Villareal](#) J. Algebra **677** (2025), 267-277.

AS AN UNDERGRADUATE

Distribution of prime numbers on a triangular spiral,
with Dr. Abdulrahman Abdulaziz.

GRANTS & AWARDS

Graduate Assistantship (full tuition waiver, stipend), University of Louisiana at Lafayette	2021 –
Honors Convocation and Academic Excellence Award, University of Louisiana at Lafayette	2024

TALKS

INVITED

2025 Southern Regional Algebra Conference in conjunction with Lloyd Roeling UL Lafayette Mathematics Conference, University of Louisiana at Lafayette	April 2025
<i>Contractibility of the orbit space of a saturated fusion system after Steinberg</i>	
The South Central Topology Conference IV, Texas A&M University	March 2025
<i>Contractibility of the orbit space of a saturated fusion system after Steinberg</i>	
Zassenhaus Groups and Friends Conference, Texas State University	June 2024
<i>Contractibility of the orbit space of a saturated fusion system after Steinberg</i>	
The South Central Topology Conference III, New Mexico State University	October 2023
<i>Contractibility of the orbit space of a saturated fusion system after Steinberg</i>	

LOCAL & EXPOSITORY

Algebra Seminar, University of Louisiana at Lafayette <i>Contractibility of the orbit space of a saturated fusion system after Steinberg</i>	November 2023
Algebra Seminar, University of Louisiana at Lafayette <i>Limits and colimits, generators and relations of partial groups</i>	March 2022

TEACHING EXPERIENCE

COURSES TAUGHT AT UL LAFAYETTE

MTHS 105/105S: Applied College Algebra Fundamentals	Fall 2024
MTHS 109/109S: Pre-Calculus Algebra	Spring 2024
MTHS 105/105S: Applied College Algebra Fundamentals	Fall 2023
MATH 105: Applied College Algebra	Spring 2023
MATH 103/104: Applied College Algebra Fundamentals	Fall 2022

UNIVERSITY AND DEPARTMENTAL

President, UL Graduate Student Chapter of The American Mathematical Society	2023 – 2024
Secretary, UL Graduate Student Chapter of The American Mathematical Society	2022 – 2023
Member, UL Graduate Student Chapter of The American Mathematical Society	2021 –

OTHER PROFESSIONAL ACTIVITY

Member, Mathematical Association of America	2021 –
Member, The American Mathematical Society	2021 –