Sebastian Gómez Rendón

Department of Mathematics Wayne State University Detroit, Michigan, U.S.A https://sites.google.com/view/sebasgomez sgomezre@wayne.edu

Jan 2022 to Dec 2022.

Research Interests

My research interest is algebraic topology. More specifically, I'm interested in chromatic, equivariant, and stable homotopy theory.

Education

Wayne State University.	Aug 2024 to Current.
PhD. Mathematics.	
University of Western Ontario. Supervisor: Dan Christensen. M.Sc. Mathematics.	Sept 2023 to Aug 2024.
Universidad Nacional de Colombia. Supervisor: José Manuel Gómez.	Feb 2018 to Dec 2022.
B.S. Mathematics.	
Academic Employment Graduate teaching assistant. Course: Calculus 1000.	May 2024 to Aug 2024.
University of Western Ontario. Graduate teaching assistant. Course: Calculus 1301.	Jan 2024 to Apr 2024.
University of Western Ontario. Graduate teaching assistant. Course: Calculus 1000.	Sep 2023 to Dec 2023.
University of Western Ontario.	

Undergraduate teaching assistant. Course: Multivariable Calculus.

Talks and Presentations

Universidad Nacional de Colombia.

Spectra and the Stable Category II. Algebraic Topology and Homotopy Theory grad seminar. Western University, 1 Feb 2024. Spectra and the Stable Category I. Algebraic Topology and Homotopy Theory grad seminar. Western University, 25 Jan 2024. Computing $\pi_*(MO)$ and $\pi_*(MU)$. Algebraic Topology and Homotopy Theory grad seminar. Western University, 27 Oct 2023. Thom's Theorem for Unoriented Cobordism. Algebraic Topology and Homotopy Theory grad seminar. Western University, 13 Oct 2023. Homotopy Theory and Homotopy Theory grad seminar. Western University, 13 Oct 2023. Homotopy Theory and Model Categories II. Category Theory and its Applications seminar. Universidad Nacional de Colombia, 10 Oct 2022. Homotopy Theory and its Applications seminar. Universidad Nacional de Colombia, 3 Oct 2022. Examples of Limits and Colimits. Category Theory and its Applications seminar. Universidad Nacional de Colombia, 29 Sept 2022. Research Experience

Undergraduate Thesis: Cobordism and Thom-Pontryagin theorem Universidad Nacional de Colombia, sede Medellin	n. 2022
M.Sc Project: On Central Spaces and Products of Eilenberg-Mac I University of Western Ontario	Lane Spaces 2024
Awards & Honors	
Award for best undergraduate math thesis.	
Universidad Nacional de Colombia.	2023
Scholarship for best score in the admission exam.	
Universidad Nacional de Colombia.	2018
Academic Activities	
Organizer. Algebraic Topology and Homotopy Theory grad semin	ar.
Western University.	Sept 2023 to Apr 2024
Projects Supervised	
Projects Supervised Meagan James. The action of $\pi_1(X)$ on $\pi_n(X)$ for H-spaces.	Jan 2024 to Apr 2024
Meagan James. The action of $\pi_1(X)$ on $\pi_n(X)$ for H-spaces. University of Western Ontario.	Jan 2024 to Apr 2024
Meagan James. The action of $\pi_1(X)$ on $\pi_n(X)$ for H-spaces.	Jan 2024 to Apr 2024 e used this to study the spaces
 Meagan James. The action of π₁(X) on π_n(X) for H-spaces. University of Western Ontario. Directed Reading Program. We studied the action of π₁(X) on [Y, X] when Y is well pointed. We 	0

Other Interests

Music: I am a huge fan of music. I play the guitar and the drums. From November 2021 to July 2023, I was part of an artistic group at Universidad Nacional de Colombia called Ensamble U.N. in which I played the drums and minor percussion. We had many performances both at the university and outside of it.