Julio Caceres

Personal Data

Place of Birth:	Lima, Perú
Address:	1201 Church St., Nashville, Tennessee, USA
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Work and Education

Current | **Vanderbilt University**
Postdoctoral Scholar

2019-2024 | **Vanderbilt University**
PhD Student in Mathematics
Advisor: Dietmar Bisch
Thesis title: Graph planar algebra embeddings and new A_∞-subfactors

2017-2019 | **Universidade Federal de Santa Catarina (UFSC)**, Brazil
Master of Sciences - Mathematics
Advisor: Alcides Buss

2011-2016 | **Universidad Nacional de Ingeniería (UNI)**, Perú
Bachelor of Sciences - Mathematics

Academic Awards

2022-2023 | Harold Stirling Vanderbilt award

2019-2021 | Russell G. Hamilton Scholar

Publications

2024 | Graph planar algebra embeddings and infinite depth subfactors
joint with Dietmar Bisch
Accepted to International Journal of Mathematics
arXiv:2410.14819

In preparation

2025 | New hyperfinite subfactors with infinite depth
joint with Dietmar Bisch
Expected December 2024

Grant Support

2023 | Summer support from US ARO grant W911NF2310026

Invited Presentations

July 2025 | Oberwolfach Research Institute - Subfactors and applications
Talk "New hyperfinite subfactors with infinite depth"

November 2024	East Coast Operator Algebra Symposium Talk "New hyperfinite subfactors with infinite depth"
May 2024	Great Plains Operator Theory Symposium Talk "New hyperfinite subfactors with infinite depth"
October 2023	Graduate Student Seminar (at Vanderbilt University) Talk "Planar Algebras."
October 2023	ASUERAU C*-Seminar (at Arizona State University) Talk "Graph planar algebra embeddings and infinite depth subfactors."
September 2023	Subfactor Seminar (at Vanderbilt University) Talk "New hyperfinite subfactors with infinite depth."
August 2023	GOALS Research Showcase Talk "New hyperfinite subfactors with infinite depth."
June 2023	Groundwork in Operator Algebras Lecture Series (at Purdue University) Expository talks on "Subfactors."
September 2020	GOALS Seminar Talk "Hilbert Modules and Vector Bundles."
July 2018	ICM Operator Algebras Satellite Conference (at UFSC) Presented poster on "Cuntz-Pimsner Algebras associated to Vector Bundles."

Academic Services

Spring 2025	Organizer of the **Directed Reading Program** at Vanderbilt University.
Fall 2024	Organizer of the **Directed Reading Program** at Vanderbilt University.
Fall 2023	Co-organizer of the **Directed Reading Program** at Vanderbilt University.

Mentoring

Spring 2022	Mentor for the **Directed Reading Program** at Vanderbilt University.
Spring 2020	Mentor for the **Directed Reading Program** at Vanderbilt University.
Fall 2019	Mentor for the **Directed Reading Program** at Vanderbilt University.

Teaching

spring 2025	Instructor for Ordinary Differential Equations (MATH 2610) at Vanderbilt University.
Fall 2024	Instructor for Multivariable Calculus (MATH 2300) at Vanderbilt University.
Spring 2024	Teaching Assistant for Accelerated Single-Variable Calculus II (MATH 1301) at Vanderbilt University.

Fall 2023	Teaching Assistant for Accelerated Single-Variable Calculus I (MATH 1300) at Vanderbilt University.
Spring 2023	Teaching Assistant for Accelerated Single-Variable Calculus II (MATH 1301) at Vanderbilt University.
Fall 2022	Instructor for Accelerated Single-Variable Calculus I (MATH 1300) at Vanderbilt University.
Spring 2022	Teaching Assistant for Single-Variable Calculus II (MATH 1201) at Vanderbilt University.
Fall 2021	Instructor for Accelerated Single-Variable Calculus I (MATH 1300) at Vanderbilt University.
Spring 2021	Instructor for Accelerated Single-Variable Calculus II (MATH 1301) at Vanderbilt University.
Fall 2020	Teaching Assistant for Accelerated Single-Variable Calculus II (MATH 1301) at Vanderbilt University.
Spring 2020	Tutor for Calculus at Vanderbilt University.
Fall 2019	Tutor for Calculus at Vanderbilt University.

Languages

English:	Fluent
Spanish:	Mother tongue
Portuguese:	Fluent

Computer Skills

Basic Knowledge:	HTML,Visual Basic, Linux
Intermediate Knowledge:	Excel, MATLAB
Advanced Knowledge:	Mathematica, Python, LaTeX, Word, Powerpoint