MARCOS MAZARI-ARMIDA

https://math.colorado.edu/~mama9382/
Department of Mathematics ⋄ University of Colorado Boulder ⋄ Boulder, Colorado, USA
Marcos.MazariA@colorado.edu

EMPLOYMENT

University of Colorado Boulder *2021 - Present*
Burnett Meyer Postdoctoral Fellow
Mentor: Agnes Szendrei

EDUCATION

Carnegie Mellon University *2015 - 2021*
Ph.D. in Mathematical Sciences
Advisor: Rami Grossberg
Title: Remarks on classification theory for abstract elementary classes with applications to abelian group theory and ring theory
Thesis defense: June 17th, 2021

Carnegie Mellon University *2015 - 2017*
M. Sc. in Mathematics

Universidad Nacional Autónoma de México *2010 - 2015*
Licenciatura en Matemáticas (B.S. in Mathematics) with honours
Advisor: Timothy Gendron

University of California at Berkeley *Spring 2013*
Study Abroad Program

PAPERS

Published and accepted papers

[1] Marcos Mazari-Armida and Sebastien Vasey, *Universal classes near* $\aleph_1$, The Journal of Symbolic Logic **83** (2018), no. 4, 1633–1643.

[2] Marcos Mazari-Armida, *Non-forking w-good frames*, Archive for Mathematical Logic **59** (2020), nos 1-2, 31–56.

[3] Marcos Mazari-Armida, *Algebraic description of limit models in classes of abelian groups*, Annals of Pure and Applied Logic **171** (2020), no. 1, 102723 (17 pages).

[4] Thomas G. Kucera and Marcos Mazari-Armida, *On universal modules with pure embeddings*, Mathematical Logic Quarterly **66** (2020), no. 4, 395–408.

[5] Marcos Mazari-Armida, *A model theoretic solution to a problem of László Fuchs*, Journal of Algebra **567** (2021), 196–209.

[6] Marcos Mazari-Armida, *Superstability, noetherian rings and pure-semisimple rings*, Annals of Pure and Applied Logic **172** (2021), no. 3, 102917 (24 pages).

[7] Marcos Mazari-Armida, *On superstability in the class of flat modules and perfect rings*, Proceedings of the American Mathematical Society, **149** (2021), 2639 - 2654.

[8] Rami Grossberg and Marcos Mazari-Armida, *Simple-like independence relations in abstract elementary classes*, Annals of Pure and Applied Logic, **172** (2021), no. 7, 102971 (28 pages).

[9] Marcos Mazari-Armida, *Some stable non-elementary classes of modules*, The Journal of Symbolic Logic, to appear, 22 pages. https://doi.org/10.1017/jsl.2021.68

Papers submitted for publication

[10] Marcos Mazari-Armida, *A note on torsion modules with pure embeddings*, submitted, 15 pages https://arxiv.org/abs/2104.10160

GRANTS AND AWARDS

GSA/Provost Office Conference Funding, *Carnegie Mellon University* 2020
Travel award, $750.

ASL student travel award, *Association for Symbolic Logic* 2019, 2020
2 travel awards totalling $2,000.

MCS travel award, *Mellon College of Sciences, Carnegie Mellon University* 2019
Travel award, $500.

Programa de Apoyo al Posgrado Beca Complemento, *SEP* 2015, 2016
Fellowship given by the Mexican Government through the Department of Education to complement graduate students expenses in any discipline, $3,600 per annum.

Medalla Gabino Barreda, *Universidad Nacional Autónoma de México* 2015
Award for highiest GPA in my class.

International Scholar, *Universidad Nacional Autónoma de México* 2013
Tuition funded by UNAM to study the spring semester at UC Berkely.

TALKS

- **2021:** Toronto Set Theory Seminar, Canada (online); Bogota Logic Seminar, Colombia (online); Online Logic Seminar, Southern Illinois University (online); MidWest Model Theory Seminar (online); Panglobal Algebra and Logic Seminar, CU Boulder (online); MALGA Seminar, University of Padova and University of Verona (online).
- **2020:** OSU Logic Seminar; Association for Symbolic Logic 2020 Annual North American Meeting at UCI (YouTube video); Model Theory Seminar at CMU (online); Masaryk University Algebra Seminar, Czech Republic (online); CMU Mathematical Logic Seminar (online).
- **2019:** Association for Symbolic Logic 2019 Annual North American Meeting at CUNY; The 19th Graduate Student Conference in Logic at UIC.
- **2018:** Harvard Logic Seminar; Mathematics Seminar at ITAM, México; Logic Seminar at UNAM, México; Model Theory Seminar at CMU.
- **2017:** Model Theory Seminar at CMU.

TEACHING

Teaching experience

- **University of Colorado Boulder**, *Postdoctoral Fellow.*
  - *Sole instructor:* Linear algebra for non-math majors and Topics in Logic 1 and 2.
- **Carnegie Mellon University**, *Graduate Student.*
  - *Teaching Assistant:* Matrices and Linear Transformations (five times, once online), Matrix Theory (twice), Calculus in Three Dimensions, and Multidimensional Calculus.
  - *Grader:* Concepts of Mathematics and Calculus in Three Dimensions.
- **Universidad Nacional Autónoma de México**, *Undergraduate Student.*

– *Teaching Assistant:* Mathematical Logic I, Mathematical Logic II (three times), and Mathematical Logic III.

Teaching Programs

Future Faculty Program, *Eberley Center, Carnegie Mellon University* 2020
A university-wide program for graduate students to develop and improve their teaching skills.

SERVICE

Panglobal Algebra and Logic Seminar organizer, *CU Boulder*	2021 -Present
Diversity Committee, *CU Boulder*	2021 -Present
Reviewer for Mathematical Reviews (AMS)	2020 - Present
Referee for Annals of Pure and Applied Logic	2021 - Present
Grad Set Theory and Model Theory Seminar organizer, *CMU*	2019 - 2020
Panelist of *SIAM PhD student panel*, *Carnegie Mellon University*	2019

LANGUAGES

Spanish (native); **English** (fluent); **German** (basic).