

Neemias Martins

neemias@ime.unicamp.br neemias.org

EDUCATION

University of Campinas

- PhD in Mathematics Expected Feb 2025

Federal University of Viçosa

- MSc in Mathematics 2021
- BSc in Mathematics 2019

Sapienza University of Rome

- Visiting student, Science without Borders program 2015 - 2016

PROFESSIONAL EXPERIENCE

Federal University of Viçosa 2020

Adjunct Professor

TEACHING INTERNSHIPS

University of Campinas 2023 - Present

Graduate Teaching Assistant, PED Teaching Internship Program

São Paulo State University, Campus Rio Claro 2021

Graduate Student Teaching

PUBLICATIONS

Martins, N., Mattos P. G., Varão R. **Folding entropy of extended shifts**. Preprint, arXiv:2407.01828 [math.DS], 2024 [\[arxiv\]](#)

Mehdipour, P., Martins, N. **Encoding n -to-1 baker's transformations**. Arch. Math. 119, 199–211, 2022 [\[doi\]](#)

Martins, N., Mehdipour, P. **Ergodicity of a 2-to-1 baker map**. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics, v.8, n.1, 2021 [\[doi\]](#) [\[pdf\]](#)

SCHOLARSHIPS & AWARDS

Doctorate scholarship, CAPES 2021-2025

- *Ornstein's isomorphism theorem for n -to-1 extended Bernoulli maps*
- Advisors: Régis Varão and Pouya Mehdipour

Master scholarship, CAPES	2019 - 2021
Undergraduate research scholarship PIBIC, CNPq	2018
Undergraduate research scholarships PICME, CNPq	2013 - 2017
Science without Borders scholarship in Italy, CAPES	2015 - 2016
Minas Gerais Outstanding Student Award in Mathematics	2011
Silver Medal, Brazilian Mathematical Olympiad of Public Schools	2009

SELECTED TALKS

XVIII Scientific Meeting of IMECC Graduate Students	2024
<i>Talk: Symbolic dynamics and the n-to-1 baker's transformations</i>	Campinas, Brazil
International Mathematics Days IV	2024
<i>Poster: Folding entropy of the Zip shift map</i>	Online
7th Brazilian School of Dynamical Systems	2023
<i>Poster: Ornstein's theory and the n-to-1 zip-shifts</i>	Fortaleza, Brazil
International and Online Mathematics Days III	2023
<i>Poster: The Ornstein theorem</i>	Online
XL National Congress of Applied and Computational Mathematics	2021
<i>Talk: Ergodicity of a 2-to-1 baker map</i>	Online
Mathematics Day III	2018
<i>Talk: Ergodicity and Mixing on Dynamical Systems</i>	Viçosa, Brazil
XIX Brazilian Topology Meeting	2014
<i>Poster: Introduction to the theory of knots and polynomial invariants</i>	SJRP, Brazil

SERVICE

39 ^a Unicamp Mathematics Olympiad	2023
<i>Proofreader</i>	
XXX Unicamp Scientific Initiation Congress	2022
<i>Poster Reviewer</i>	
UFV Mathematics Academic Week	2015
<i>Member of Organizing Committee</i>	
Coordinating Committee of UFV Undergraduate Math. Course	2014 - 2015
<i>Alternate Member</i>	