

# Neemias Martins

[neemias@ime.unicamp.br](mailto:neemias@ime.unicamp.br) [neemias.org](http://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

## TEACHING EXPERIENCE

University of Campinas 2023 - 2024

*Teaching Internship Program - PED*

- Practical classes and tutoring Calculus II - MA211. Total workload of 240 hours

São Paulo State University, Campus Rio Claro 2021

*Graduate Student Teaching*

- Calculus I - MM5847. 60h course load

Federal University of Viçosa 2020

*Adjunct Professor*

- Differential and Integral Calculus I - MAT141. Total course load of 180h

## 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
<ul style="list-style-type: none"><li>• <i>Ornstein's isomorphism theorem for <math>n</math>-to-1 extended Bernoulli maps</i></li><li>• Advisors: Régis Varão and Pouya Mehdipour</li></ul>	
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

DinAmicI in Rio, Dynamics, Applications, Interactions	2024
<i>Poster: Entropy of zip shifts</i>	Rio de Janeiro, Brazil
XVIII Scientific Meeting of IMECC Graduate Students	2024
<i>Talk: Symbolic dynamics and the <math>n</math>-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 <math>n</math>-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 <sup>a</sup> 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>	