

Neemias Martins

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EDUCATION

University of Campinas

- PhD in Mathematics Expected May 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

Pontifical Catholic University of Campinas 2025

Professor

- Calculus I
- Probability and Statistics
- Foundations of Discrete Mathematics
- Mathematical Logic
- Elements of Operations Research and Simulation

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. Total course load of 60h

Federal University of Viçosa 2020

Adjunct Professor

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

PUBLICATIONS

ARTICLES

Mehdipour P., Martins N. *Encoding n -to-1 baker's transformations*. Arch. Math. 119, 199–211, 2022

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

PREPRINTS

Martins N, Mehdipour P, Varão R. *Ornstein Isomorphism Theorem for n -to-1 (m,l)-Bernoulli transformations*. In preparation, 2025

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

TEXTS IN SCIENTIFIC NEWSPAPERS

N. Martins. *O baker map 2-por-1*. JMat UFV, n. 7, p. 7, 2021. ISSN 2675-987X

N. Martins. *Ergodicidade e Mixing*. JMat UFV, n. 5, p. 7, 2019. ISSN 2675-987X

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

- *O baker map 2-por-1*. Advisor: Pouya Mehdipour

Undergraduate research scholarship PIBIC, CNPq 2018

- *Ergodicity and mixing in dynamical systems*. Advisor: Pouya Mehdipour

Undergraduate research scholarships PICME, CNPq 2013 - 2017

- *Graphs embedded in closed and oriented surfaces*. Advisor: Catarina Mendes
- *Introduction to hyperbolic geometry and applications*. Advisor: Catarina Mendes

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

Dyadisc 7: Brazilian-chilean and french interplay for symbolic dynamics 2024

Poster: *Exploring entropy and symbolic dynamics of n -to-1 maps* Campinas, Brazil

XIII Workshop on Dynamical Systems - MAT80	2024
<i>Talk: Entropy of (m,l)-Bernoulli transformations</i>	Campinas, Brazil
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 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

I Workshop de IC do IMECC	2025
<i>Organizing Committee</i>	
II Acampamento Científico no Imecc	2025
<i>Organizing Committee</i>	
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

Alternate Member