

Neemias Martins

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EDUCATION

University of Campinas

- PhD in Mathematics 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

Federal University of Viçosa 2025 - today

Professor, Assistente Nível 1

- Medida e Integração (Mestrado) - MAT 644 2026/0
- Matemática Básica - MAT 101 2026/0
- Introdução à álgebra linear - MAT 137 2025/2
- Cálculo 1 - MAT 146 2025/2

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

São Paulo State University, Campus Rio Claro 2021

Graduate Student Teaching

- Calculus I - MM5847

Federal University of Viçosa 2020

Adjunct Professor

- Differential and Integral Calculus I - MAT141

PUBLICATIONS

Articles

- *Folding and Metric Entropies for Extended Shifts.* Journal of Dynamics and Differential Equations. 2026. Joint with Pedro. G. Mattos and Régis Varão.
- *Encoding n-to-1 baker's transformations.* Archiv der Mathematik. 119, 199–211, 2022. Joint with Pouya Mehdipour.
- *Ergodicity of a 2-to-1 baker map.* Proceeding Series of the Brazilian Society of Computational and Applied Mathematics, v.8, n.1, 2021. Joint with Pouya Mehdipour.

Preprint

- *Ornstein Isomorphism Theorem for n-to-1 LM-Bernoulli transformations.* In preparation, 2025. Joint with Pouya Mehdipour and Régis Varão.

Texts in Scientific Newspapers

- *O baker map 2-por-1.* JMat UFV, n. 7, p. 7, 2021. ISSN 2675-987X
- *Ergodicidade e Mixing.* JMat UFV, n. 5, p. 7, 2019. ISSN 2675-987X

Editorial Work

- Editor, *Revista do PICME na UNICAMP*, 1^a Edição, 2025

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

• <i>O baker map 2-por-1.</i> Advisor: Pouya Mehdipour	
Undergraduate research scholarship PIBIC, CNPq	2018
• <i>Ergodicity and mixing in dynamical systems.</i> Advisor: Pouya Mehdipour	
Undergraduate research scholarships PICME, CNPq	2013 - 2017
• <i>Graphs embedded in closed and oriented surfaces.</i> Advisor: Catarina Mendes	
• <i>Introduction to hyperbolic geometry and applications.</i> Advisor: Catarina Mendes	
Science without Borders scholarship in Italy, CAPES	2015 - 2016
Minas Gerais Outstanding Student Award in Mathematics	2011
Silver Medal at Mathematical Olympiad of Public Schools	2009

SELECTED TALKS

III Workshop Nordestino de Sistemas Dinâmicos	2026
<i>Talk: Ornstein isomorphism theorem for n-to-1 extended Bernoulli transformations</i>	
Thermogamas - Brazil/France Webinar	2025
<i>Talk: Ornstein isomorphism theorem for n-to-1 extended symbolic dynamics</i>	
Dyadisc 7: Brazilian-chilean and french interplay for symbolic dynamics	2024
<i>Poster: Exploring entropy and symbolic dynamics of n-to-1 maps</i>	
XIII Workshop on Dynamical Systems - MAT80	2024
<i>Talk: Entropy of (m,l)-Bernoulli transformations</i>	
DinAmicI in Rio, Dynamics, Applications, Interactions	2024
<i>Poster: Entropy of zip shifts</i>	
XVIII Scientific Meeting of IMECC Graduate Students	2024
<i>Talk: Symbolic dynamics and the n-to-1 baker's transformations</i>	

International Mathematics Days IV	2024
<i>Poster: Folding entropy of the Zip shift map</i>	
7th Brazilian School of Dynamical Systems	2023
<i>Poster: Ornstein's theory and the n-to-1 zip-shifts</i>	
International and Online Mathematics Days III	2023
<i>Poster: The Ornstein theorem</i>	
XL CNMAC	2021
<i>Talk: Ergodicity of a 2-to-1 baker map</i>	
Mathematics Day III	2018
<i>Talk: Ergodicity and Mixing on Dynamical Systems</i>	
XIX Brazilian Topology Meeting	2014
<i>Poster: Introduction to the theory of knots and polynomial invariants</i>	

SERVICE

Simpósio de Integração Acadêmica - SIA UFV	2025
<i>Reviewer</i>	
I Workshop de IC do IMECC	2025
<i>Organizing Committee</i>	
II Acampamento Científico no Imecc	2025
<i>Organizing Committee</i>	
39ª 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>	

Undergraduate Math Committee – UFV

2014 - 2015

Alternate Committee Member