

Research interests

My research focuses on the analysis of partial differential equations, particularly on foundational results in the theory of viscosity solutions. Recently, I have concentrated on the study of stable solutions to elliptic partial differential equations, as well as the uniqueness and stability of saddle-shaped solutions to the Allen–Cahn equation.

Education

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| Aug 2023 - Present | Ph.D. in Mathematics Centro de Investigación en Matemáticas - CIMAT Title: TBA Advised by: Héctor A. Chang-Lara and Jimmy Petean |
| Aug 2021 - Aug 2023 | M.Sc. in Mathematics Pontifícia Universidade Católica do Rio de Janeiro - PUC-Rio Title: Uniqueness of L^p -strong solutions Advised by: Boyan Sirakov and Pammella Queiroz |
| Jun 2015 - Jul 2019 | B.Sc. in Mathematics Universidade Federal Fluminense - UFF |

Fellowships

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| Aug 2021 - Sep 2022 | Master Fellowship Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES |
| Aug 2017 - Aug 2018 | Cientific Initiation Fellowship Fundação Carlos Chagas Filho de Amparo à Pesquisa do Estado do Rio de Janeiro - FAPERJ |
| Aug 2015 - Aug 2016 | Cientific Initiation Fellowship Instituto de Matemática Pura e Aplicada - IMPA |

Advanced schools and training

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| Jan 2023 - Mar 2023 | Summer course in Differential Topology Instituto de Matemática Pura e Aplicada - IMPA, Brazil |
| Jan 2022 - Feb 2022 | Summer Program in Vectorial Analysis (Virtual) Universidade Federal de Pernambuco - UFPE, Brazil |
| Dec 2021 | Escuela Matemática de América Latina y el Caribe (Virtual Meeting) Universidad Juárez Autónoma de Tabasco - UJAT, Mexico |
| Jan 2015 - Feb 2015 | Summer course in Linear Algebra Instituto de Matemática Pura e Aplicada - IMPA, Brazil |

Participations in events

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| Nov 2024 | Potential Theory Workshop: Intersections in Harmonic Analysis, Partial Differential Equations and Probability Centro de Investigación en Matemáticas CIMAT, México |
| Jan 2023 - Feb 2023 | Summer Program Instituto de Matemática Pura e Aplicada - IMPA, Brazil |
| Jan 2022 - Feb 2022 | Summer Program (Virtual) Universidade Federal de Pernambuco - UFPE, Brazil |
| 2017 | 31 Brazilian Mathematics Colloquium Instituto De Matemática Pura e Aplicada - IMPA, Brazil |
| 2016 | VIII UFF Math Week Universidade Federal Fluminense - UFF, Brazil |
| 2015 | 2nd Workshop on Combinatorics, Number Theory and Dynamical System Instituto de Matemática Pura e Aplicada - IMPA, Brazil |
| 2015 | 30 Brazilian Mathematics Colloquium Instituto De Matemática Pura e Aplicada - IMPA, Brazil |
| Nov 2014 | Mathematics Biennial Universidade Federal Fluminense - UFF, Brazil |

Nov 2014

Mathematics Week
Universidade Federal Fluminense - UFF, Brazil