

# Gabriel Gomes Figueiredo

<https://profgabrielgomes.github.io/site/>

Centro de Investigación en Matemáticas  
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## 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

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

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

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Jan 2023 - Mar 2023	Summer course in Differential Topology Instituto de Matemática Pura e Aplicada - IMPA, Brazil Certificate
Jan 2022 - Feb 2022	Summer Program in Vectorial Analysis (Virtual) Universidade Federal de Pernambuco - UFPE, Brazil Certificate
Jan 2015 - Feb 2015	Summer course in Linear Algebra Instituto de Matemática Pura e Aplicada - IMPA, Brazil Certificate

## Participations in Events

Nov 2024	Potential Theory Workshop: Intersections in Harmonic Analysis, Partial Differential Equations and Probability Centro de Investigación en Matemáticas - CIMAT, México Certificate
2017	31st Brazilian Mathematics Colloquium Instituto de Matemática Pura e Aplicada - IMPA, Brazil Certificate
2016	VIII UFF Math Week Universidade Federal Fluminense - UFF, Brazil
2015	2nd Workshop on Combinatorics, Number Theory and Dynamical Systems Instituto de Matemática Pura e Aplicada - IMPA, Brazil Certificate
2015	30th Brazilian Mathematics Colloquium Instituto de Matemática Pura e Aplicada - IMPA, Brazil Certificate
Nov 2014	Mathematics Biennial Universidade Federal Fluminense - UFF, Brazil
Nov 2014	Mathematics Week Universidade Federal Fluminense - UFF, Brazil