CERTIFICATE

This is to certify that

Alessio Fiscella

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On (p, N) problems with critical exponential nonlinearities.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

Arte: Athos Bulcão, 1989 - Painel em azulejos para a Embaixada do Brasil em Buenos Aires

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                          de Matemática

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CERTIFICATE

This is to certify that

Anne Caroline Bronzi

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Regularity theory for a class of variable-exponent fully nonlinear elliptic equations.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Augusto César Ponce

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Topological singularities of Sobolev maps.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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This is to certify that

Claudianor Oliveira Alves

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

A global minimization trick to solve some classes of Berestycki-Lions type problems.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Damião Júnio Gonçalves Araújo

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

A two-phase free boundary problem ruled by the infinity laplacian.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Disson Soares dos Prazeres

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:
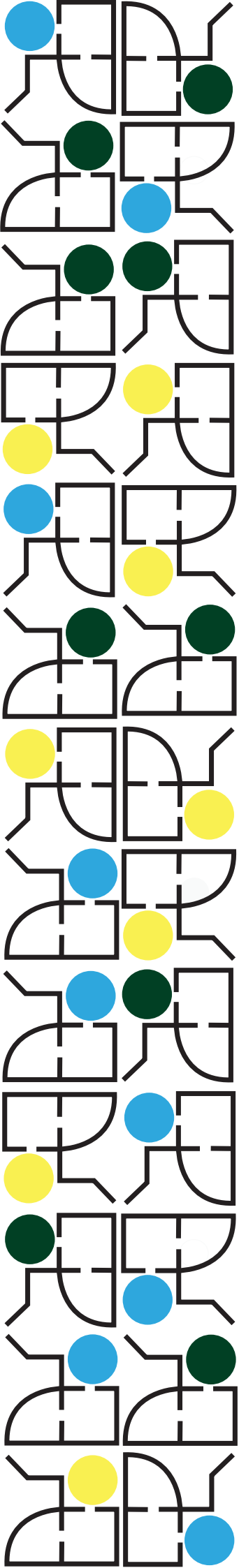
Existence and non-existence results of dead cores for fully nonlinear elliptic problems.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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This is to certify that

Edcarlos Domingos da Silva

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Fractional elliptic systems with noncoervice potentials.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

CERTIFICATE

This is to certify that

Ederson Moreira dos Santos

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Unique continuation principles for systems.

Brasília, 14th February 2020

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CERTIFICATE

This is to certify that

Everaldo Souto de Medeiros

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On a Hardy type inequality and its applications.

Brasília, 14th February 2020

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CERTIFICATE

This is to certify that

Gabriela Planas

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On a 3D phase-field model with convection under a magnetic field effect.

Brasília, 14th February 2020

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CERTIFICATE

This is to certify that

Jefferson Abrantes dos Santos

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

A limiting free boundary problem for a degenerate operator in Orlicz-Sobolev spaces.

Brasília, 14th February 2020

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This is to certify that

João Marcos Bezerra do Ó

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Stationary Kirchhoff equations involving critical growth and vanishing potential.

Brasília, 14th February 2020

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CERTIFICATE

This is to certify that

João Pablo Pinheiro da Silva

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10$^{\text{th}}$ to 14$^{\text{th}}$ February 2020 and presented the **talk** entitled:

Existence and multiplicity of positive solutions for a fourth-order elliptic equation.

Brasília, 14$^{\text{th}}$ February 2020

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CERTIFICATE

This is to certify that

João Rodrigues dos Santos Júnior

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Non-local Degenerate Diffusion Coefficients Break Down the Components of Positive Solutions.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

João Vitor da Silva

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

A limiting obstacle problem for the inhomogeneous p-fractional Laplacian.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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Universidade de Brasília
Departamento de Matemática

CERTIFICATE

This is to certify that

José Carlos de Albuquerque Melo Júnior

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10$^{\text{th}}$ to 14$^{\text{th}}$ February 2020 and presented the **talk** entitled:

On the extreme value of the Nehari manifold method for a class of Schrodinger equations with indefinite weight functions.

Brasília, 14$^{\text{th}}$ February 2020

Cristina Acciarri
Coordinator of the XII Summer Workshop in Mathematics

UnB   Instituto de Ciencias Exatas   Departamento de Matemática

CERTIFICATE

This is to certify that

José Carlos de Oliveira Junior

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On a class of quasilinear equations involving critical exponent and nonlinearity concave at the origin.

Brasília, 14th February 2020

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Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Juliana Fernandes da Silva Pimentel

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Semilinear parabolic equations with asymptotically linear growth.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Kaye Oliveira da Silva

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On an Abstract Bifurcation Result Concerning Homogeneous Potential Operators with Applications to PDEs.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

CERTIFICATE

This is to certify that

Leszek Gasinski

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10$^{\text{th}}$ to 14$^{\text{th}}$ February 2020 and presented the **talk** entitled:

Existence, nonexistence and multiplicity of positive solutions for an equation with degenerate nonlocal diffusion.

Brasília, 14$^{\text{th}}$ February 2020

Cristina Acciarri

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CERTIFICATE

This is to certify that

Lucas Catão de Freitas Ferreira

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On singular elliptic boundary value problems via a harmonic analysis approach.

Brasília, 14th February 2020

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This is to certify that

Luiz Fernando de Oliveira Faria

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Elliptic equations with exponential nonlinearity combined with convection term.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Marcelo Fernandes de Almeida

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Adams' trace principle on Morrey-type spaces over β-Hausdorff dimensional surfaces.

Brasília, 14th February 2020

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This is to certify that

Marcos Leandro Mendes Carvalho

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

On a splitting of the Nehari manifold via the generalized Rayligh quotients.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Maxwell Lizete da Silva

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Ground states for a class of critical quasilinear coupled superlinear elliptic systems.

Brasília, 14th February 2020

Cristina Acciarri

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CERTIFICATE

This is to certify that

Mayra Soares

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

An Indefinite Elliptic Problem on $\mathbb{R}^N$ Autonomous at Infinity: the Crossing Effect of the Spectrum and the Nonlinearity.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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CERTIFICATE

This is to certify that

Mikhail Neklyudov

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Convex topological algebras via linear vector fields and Cuntz algebras.

Brasília, 14th February 2020

Cristina Acciarri

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CERTIFICATE

This is to certify that

Olímpio Hiroshi Miyagaki

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:
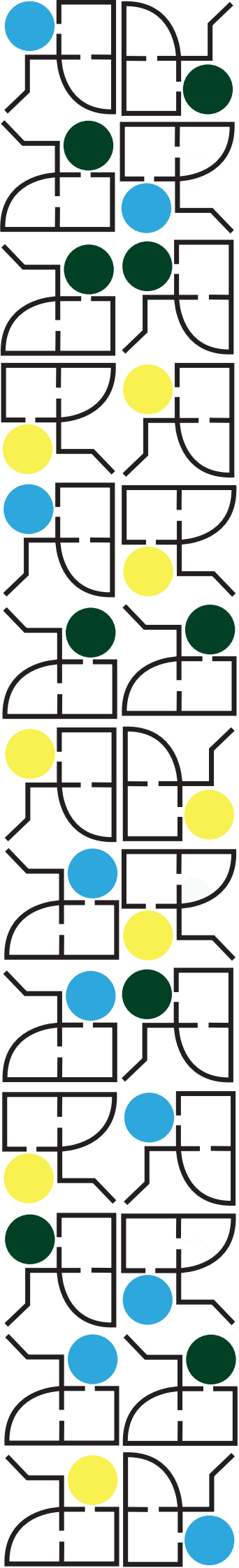
On a class of Hamiltonian Choquard-type elliptic system.

Brasília, 14th February 2020

Cristina Acciarri

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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       Ciencias Exatas   de Matemática

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CERTIFICATE

This is to certify that

Suellen Cristina Queiroz Arruda

attended the *"XII Summer Workshop in Mathematics"* held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Existence and multiplicity of positive solutions for a singular system via sub-supersolution method and Mountain Pass.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

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