

VIII

Workshop in
Nonlinear PDE's and
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CERTIFICATE

This is to certify that **Felipe Lineares** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On generalized derivative nonlinear Schrodinger equations**".

João Pessoa, 22th March 2019

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This is to certify that **Gabriela Planas** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On a non-isothermal flow for two-phase fluids**".

João Pessoa, 22th March 2019

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This is to certify that *Jan Sokolowski* participated at the *VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis* held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "*Shape Optimization Problems for Compressible Navier-Stokes Equations*".

João Pessoa, 22th March 2019

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This is to certify that **João Marcos Bezerra do Ó** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Spiked vector solutions of coupled Schrödinger systems with critical exponent and solutions concentrating on spheres"**.

João Pessoa, 22th March 2019

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This is to certify that **Levi Lopes de Lima** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Positive mass theorems in Yamabe-type problems**".

João Pessoa, 22th March 2019

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This is to certify that **Lucas Catão de Freitas Ferreira** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On the semilinear wave equation in a Besov-type setting**".

João Pessoa, 22th March 2019

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This is to certify that ***Bianca Morelli Rodolfo Calsavara*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***"Decay rate for waves with indefinite memory"***.

João Pessoa, 22th March 2019

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This is to certify that **Aparecido Jesuíno de Souza** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On the Riemann problem for a 2 x 2 system of Conservation Laws**".

João Pessoa, 22th March 2019

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This is to certify that ***Arlúcio da Cruz Viana*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“A fractional reaction-diffusion equation”***.

João Pessoa, 22th March 2019

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This is to certify that ***Cilon Valdez Ferreira Perusato*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Large time decay for solutions of the magneto-micropolar system”***.

João Pessoa, 22th March 2019

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This is to certify that **Diego Araujo de Souza** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Bounded perturbations of some null-controllable systems**".

João Pessoa, 22th March 2019

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This is to certify that **Diego Marcon Farias** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"An optimization problem for the fractional Laplacian with a volume constraint and a lower temperature bound"**.

João Pessoa, 22th March 2019

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This is to certify that **Disson Soares dos Prazeres** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Existence and non-existence results of dead cores for fully nonlinear elliptic problems"**.

João Pessoa, 22th March 2019

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This is to certify that *Edcarlos Domingos da Silva* participated at the *VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis* held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "*Ground and bound state solutions for quasilinear elliptic systems including singular nonlinearities and indefinite potentials*".

João Pessoa, 22th March 2019

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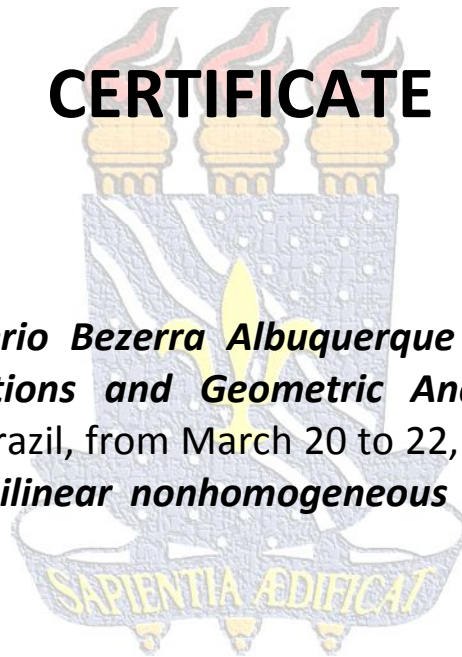
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This is to certify that **Francisco Sibério Bezerra Albuquerque** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **“Adams’ type inequality and application to a quasilinear nonhomogeneous equation with singular and vanishing radial potentials in R^4 ”**.



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This is to certify that ***Gabrielle Saller Nornberg*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***"Symmetry of positive solutions for fully nonlinear elliptic systems"***.

João Pessoa, 22th March 2019

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This is to certify that **Gaetano Siciliano** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Existence results for Kirchhoff type problems"**.

João Pessoa, 22th March 2019

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This is to certify that ***Giovana Siracusa Gouveia*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "***On nonlinear fractional diffusion equations***".

João Pessoa, 22th March 2019

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This is to certify that **Humberto Ramos Quoirin** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Positivity and exact multiplicity results for a sublinear indefinite elliptic equation"**.

João Pessoa, 22th March 2019

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This is to certify that ***José Anderson Valença Cardoso*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“A Pohozaev identity for a class of elliptic Hamiltonian systems and the Lane-Emden conjecture”***.

João Pessoa, 22th March 2019

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This is to certify that **Ângelo Guimarães** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On a Hamiltonian system with critical growth**".

João Pessoa, 22th March 2019

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This is to certify that ***Bruno Sérgio Vasconcelos de Araújo*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "***Carleman estimates for some two-dimensional degenerate parabolic PDEs and applications***".

João Pessoa, 22th March 2019

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This is to certify that ***Eudes Mendes Barboza*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Some classical elliptic equations with nonlinearities with Hénon weight in the critical Trudinger-Moser growth range”***.

João Pessoa, 22th March 2019

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This is to certify that ***Gilcênio Rodrigues de Souza Neto*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Stackelberg-nash null controllability of parabolic equations in unbounded domains”***.

João Pessoa, 22th March 2019

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This is to certify that ***Gilson Mamede de Carvalho*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Equações de Schrodinger Quasilineares com potenciais singulares ou se anulando no infinito envolvendo não linearidades com um crescimento crítico exponencial”***.



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This is to certify that ***Islanita Cecília Alcântara de Albuquerque*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "***Null controllability and Stackelberg-Nash strategy for systems of parabolic equations***".

João Pessoa, 22th March 2019

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This is to certify that **João Henrique Santos de Andrade** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Qualitative properties for non-negative solutions of conformally-invariant fourth-order systems**".

João Pessoa, 22th March 2019

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This is to certify that **José Lucas Machado** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Non null controllability of Stokes equations with memory**".

João Pessoa, 22th March 2019

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This is to certify that **Luciano Cipriano da Silva** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Hierarchical exact controllability of semilinear parabolic equations"**.

João Pessoa, 22th March 2019

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This is to certify that **Raul Kazan da Cunha Araújo** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"On Some Geometric Inverse Problems for Elliptic and Parabolic Systems"**.

João Pessoa, 22th March 2019

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This is to certify that ***Tiago Yukio Tanaka*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Uniform null controllability for fast diffusion parabolic systems with first order coupling terms”***.

João Pessoa, 22th March 2019

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This is to certify that **Wendel Leite da Silva** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"On the Morse index of radial solutions of the Henon equation in dimension two"**.

João Pessoa, 22th March 2019

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This is to certify that **Gustavo Hoepfner** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Microlocal regularity for Mizohata type differential operators**".

João Pessoa, 22th March 2019

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This is to certify that **Luiz Gustavo Farah Dias** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On the supercritical gKdV equation**".

João Pessoa, 22th March 2019

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This is to certify that *Silvia Sastre* participated at the *VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis* held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "*Existence of steady periodic water waves*".

João Pessoa, 22th March 2019

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CERTIFICATE

This is to certify that **Marcelo Dário dos Santos Amaral** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**On sharp geometric $C^{1+\alpha}$ regularity estimates**".

João Pessoa, 22th March 2019

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CERTIFICATE

This is to certify that **Matheus Correia dos Santos** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "**Minimizing movement for a fractional porous medium equation in a periodic setting**".

João Pessoa, 22th March 2019

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CERTIFICATE

This is to certify that ***Juliana Fernandes da Silva Pimentel*** participated at the ***VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis*** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk ***“Semilinear parabolic equations with asymptotically linear growth”***.

João Pessoa, 22th March 2019

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CERTIFICATE

This is to certify that **Rodrigo Genuino Clemente** participated at the **VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis** held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk **"Regularity of stable solutions to quasilinear elliptic equations on Riemannian models"**.

João Pessoa, 22th March 2019

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This is to certify that *Pierluigi Benevieri* participated at the *VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis* held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "*Nonlinear persistence results for eigenvalues and eigenvectors of Fredholm operators with set-valued perturbations*".

João Pessoa, 22th March 2019

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This is to certify that *José Carlos de Albuquerque Melo Júnior* participated at the *VIII Workshop in Nonlinear Partial Differential Equations and Geometric Analysis* held at the Departamento de Matemática - UFPB, João Pessoa-PB, Brazil, from March 20 to 22, 2019, presenting the talk "*Existence and nonexistence results of critical cases of linearly coupled Choquard systems*".

João Pessoa, 22th March 2019

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