

XVI ENCONTRO NACIONAL DE ANÁLISE MATEMÁTICA E APLICAÇÕES
08 a 10 de NOVEMBRO de 2023
IM-UFAL

PROGRAMAÇÃO ENAMA (2023)			
HORÁRIO	08/11/2023 - QUARTA-FEIRA	09/11/2023 - QUINTA-FEIRA	10/11/2023 - SEXTA-FEIRA
Minicursos Aud. Vera Rocha	Abertura (09:00-09:30)	Gustavo Hoepfner (08:30-09:10)	Gustavo Hoepfner (08:30-09:10)
	Gustavo Hoepfner (09:30-10:00)	Regilene Oliveira (09:10-09:50)	Regilene Oliveira (09:10-09:50)
	Wladimir Neves (10:00-10:30)	Wladimir Neves (09:50-10:30)	Wladimir Neves (09:50-10:30)
10:30-11:00	Intervalo	Intervalo	Postêres (10:30-11:00)
Conferências Aud. Vera Rocha	Regilene Oliveira (11:00-11:30)	Cristina Brech (11:00-11:50)	
	Adán Corcho (11:30-12:20)	Daniela Buske (11:50-12:40)	
12:20-14:10	ALMOÇO (12:20-14:10)	ALMOÇO (12:40-14:10)	ALMOÇO (12:00-14:30)
14:10-16:30 Comunicações Orais	Elíptica I	Elíptica II	Diego Moreira (14:30-15:20) Auditório Vera Rocha
	Evolução I	Evolução III	
	EDO/EDF/EDI I	Análise II	Encerramento (15:30-16:00)
16:30-17:00	Intervalo	Intervalo	
17:00-19:00 Comunicações Orais	Análise I	Elíptica III	
	Evolução II	Evolução IV	
	EDO/EDF/EDI II ANÁLISE NUMÉRICA	Análise III	

Títulos e resumos das conferências e dos minicursos estão no link http://www.enama.org/?page_id=2407
- As atividades no período da manhã (conferências, minicursos e sessões de postêres) vão acontecer no **Auditório Vera Rocha**, no IFC (Instituto de Ciências Farmacêuticas) da UFAL.
- A programação da tarde acontecerá em **salas do Instituto de Matemática (IM)**.

Quarta-feira – 08 de novembro de 2023
IM-UFAL (14:10-16:30)

Sala 106 do IM-Novo (EDP-Elíptica I)		Sala da Pós-Graduação do IM-Velho (EDP-Evolução I)
Uberládio Severo (coordenador)		Haroldo Clark (coordenador)
14:10 – 14:30	Bráulio B. V. Maia , Some asymmetric semilinear elliptic interface problems	Abiel C. Macedo , Estimate for concentration level of the Adams functional and extremals for Adams-type inequality
14:30 – 14:50	Edcarlos D. Silva , Quasilinear elliptic problems with general concave-convex nonlinearities	Alysson Cunha , On uniqueness results for solutions of the Benjamin equation
14:50 – 15:10	Eudes Barboza , Elliptic systems of Hénon type involving one-sided critical growth	Carlos Alberto Raposo , A model of suspension bridge in laminated beams
15:10 – 15:30	Grey Ercole , The Cheeger constant as limit of Sobolev-type constants	Gleiciane S. Aragão , Asymptotic behavior of parabolic problems with nonlinear boundary conditions and varying boundaries
15:30 – 15:50	Marcos L. M. Carvalho , Strong singular problem in nonreflexive fractional Orlicz-Sobolev space	Islanita C. A. de Albuquerque , Multi-objective control problems for parabolic system and KdV equation
15:50 – 16:10	Sandra I. Moreira , Quasilinear elliptic problems with exponential growth via the Nehari manifold method: Existence of nonnegative and nodal solutions	Luan S. de Sousa , Control results with overdetermination condition for higher order dispersive system
16:10 – 16:30	Thiago Rodrigues Cavalcante , Fractional (p,q) -Laplacian operator in bounded domains	Lucas A. Santos , Fractional powers approach of operators for abstract evolution equations of third order in time
16:30-17:00 Café – Praça entre oprédios do IM-novo e IM-velho		

Quarta-Feira – 08 de novembro de 2023
IM-UFAL (14:10-16:30)

Sala 3 do IM-novo (EDO-EDF-EDI I)	
Everaldo Bonotto (coordenador)	
14:10 – 14:30	Jaqueline Mesquita , Almost automorphic solutions of second-order equations involving time scales with boundary conditions
14:30 – 14:50	Eduard Toon , Lyapunov techniques for integral equations in the sense of Kurzweil
14:50 – 15:10	Marta Cilene Gadotti , Analysis of a covid-19 model with delay
15:10 – 15:30	Márcia Richtielle da Silva , Periodic solutions of measure functional differential equations
15:30 – 15:50	Anderson José de Oliveira , Fuchsian differential equations and hyperbolic geometry in the $C_{2,8}$ channel quantization
15:50 – 16:10	Paulo Ruffino , Geometric aspects of Young Integral: decomposition of flows
16:10 – 16:30	Antônio M. A. Veloso dos Santos , Persistency of Ito-Henstock SDEs with Levy noise on Hilbert spaces
16:30-17:00 Café - Praça entre os prédios do IM-novo e IM-velho	

Quarta-feira – 08 de novembro de 2023 IM-UFAL (17:00-19:00)		
Sala 106 do IM-Novo (Análise I)		Sala da Pós-Graduação do IM-Velho (EDP-Evolução II)
Joedson Santos (coordenador)		Geraldo Araújo (coordenador)
17:00 – 17:20	Jamilson R. Campos , Maximal ideals of generalized summing linear operators	Arthur Cunha , Smoothing and finite-dimensionality of uniform attractors in banach spaces
17:20– 17:40	Luiz F. de P. Sousa , Orlicz sequences and limited sets	Félix Pedro Q. Gómez , Asymptotic properties for a generalized plate equation under effects of rotational inertia and a logarithmic type dissipation
17:40 – 18:00	Renato B. C. Macedo , An anisotropic summability and mixed sequences	Luciano C. da Silva , Hierarchic control for the Burgers equation via Stackelberg-Nash strategy
18:00 – 18:20	Vinicius Miranda , Disjoint p-convergence of operators and adjoint operators	Mirelle M. Sousa , Global strong solutions for Navier-Stokes equations with density variable and mass diffusion in thin domains
18:20 – 18:40	Thiago Grando , The Bishop-Phelps-Bollobás theorem for lipschitz maps	Mykael Cardoso , Blow-up solutions for the inhomogeneous nonlinear Schrödinger equation
18:40 – 19:00	Wilson Cuellar C. , Local Banach-space dichotomies and ergodic spaces	César Adolfo Hernández Melo , Stability of equilibrium solutions of a logarithmic heat equation in commutative banach algebras
19:00 – 19:20		Brandon Carhuas De La Torre , The Hardy parabolic problem with initial data in uniformly local Lebesgue spaces

Quarta-Feira – 08 de novembro de 2023 IM-UFAL (17:00-19:00)		
Sala 3 do IM-novo (ED0-EDF-EDI II)		
Jaqueline Mesquita (coordenadora)		
17:00 – 17:20	Everaldo Bonotto (USP) , Attractors on impulsive dynamical systems	
17:20– 17:40	Pierluigi Benevieri (USP) , Global bifurcation results for a delay differential system representing a chemostat model	
17:40 – 18:00	Fernanda de Andrade (USP) , Stability for generalized stochastic equations	
18:00 – 18:20		
Sala 3 do IM-novo (Análise Numérica)		
Sandra Malta (coordenadora)		
18:20 – 18:40	Juarez S. Azevedo (UFBA) , The parameter inversion in coupled geomechanics using Bayesian inference	
18:40 – 19:00	Jean François (UECE) , A Lagrangian-Eulerian approach for coupling hyperbolic-transport and elliptic Darcy-pressure-velocity equations in high-contrast porous media flow	
19:00 – 19:20	Hugo de La Cruz (FGV) , An approach for solving stochastic differential equations with nonstandard coefficients	

Quinta-feira – 09 de novembro de 2023
IM-UFAL (14:10-16:30)

Sala 106 do IM-Novo (EDP-Elíptica II)		Sala da Pós-Graduação do IM-Velho (EDP-Evolução III)	
Edcarlos Silva (coordenador)		Haroldo Clark (coordenador)	
14:10 – 14:30	Augusto C. R. Costa , On a Neumann problem with discontinuous nonlinearities	Luis Friz , The initialization problem for bioconvective flow	
14:30 – 14:50	Jônison Carvalho , Quasilinear equation with critical exponential growth in the zero mass case	Marko A. Rojas-Medar , Nonhomogeneous mhd equations: convergence of the semi-galerkin approximations	
14:50 – 15:10	J. Anderson V. Cardoso , Some weighted Sobolev embedding involving functions that vanishing only in a direction and application	Miguel Loayza , A singular parabolic equation with concave nonlinearity	
15:10 – 15:30	Uberlandio B. Severo , Ground state solution for linearly coupled systems involving critical exponential growth	Joelma Azevedo , On the Fractional Chemotaxis Navier-Stokes System in the Critical Spaces	
15:30 – 15:50	José Carlos de Albuquerque , Schrödinger-Poisson system with zero mass in \mathbb{R}^2 involving $(2,q)$ -Laplacian	Sônia Gomes (Unicamp) , Enhanced and efficient scale boundary finite elements for mechanical problems under the action of body loads	
15:50 – 16:10	Diego Ferraz , Brezis-Kamin type results involving locally integrable weights	Charles Amorim , Global existence of solutions for Boussinesq system with energy dissipation	
16:10 – 16:30		Bruno Sérgio V. Araújo , Regularity results for degenerate wave equations in a neighborhood of the boundary	
16:30-17:00 Café - Praça entre os prédios do IM-novo e IM-velho			

Quinta-Feira – 09 de novembro de 2023
IM-UFAL (14:10-16:30)

Sala 3 do IM-novo (Análise II)	
Thaís Jordão (coordenadora)	
14:10 – 14:30	Vinícius V. Fávoro , (Uniform) expansivity for operators on locally convex spaces
14:30 – 14:50	Geivison dos S. Ribeiro , General criteria for a stronger notion of lineability
14:50 – 15:10	Lindinês C. da Silva , A multipolynomial extension of the Kahane--Salem--Zygmund inequality
15:10 – 15:30	Ariel dos S. Santiago , Symmetric ideals of generalized summing multilinear operators
15:30 – 15:50	José Lucas Pereira Luiz , Grothendieck's compactness principle on Banach lattices
15:50 – 16:10	Marcos Monteiro , Sequence spaces related to bilinear applications
16:10 – 16:30	Mikaela A. de Oliveira , Lineability of sets of non-injective maps

Quinta-feira – 09 de novembro de 2023 IM-UFAL (17:00-19:00)	
Sala 106 do IM-Novo (EDP-Elíptica III)	Sala da Pós-Graduação do IM-Velho (EDP-Evolução IV)
Sandra Moreira (coordenador)	Miguel Loayza (coordenador)
17:00 – 17:20	Mayra Soares , Boundary weak harnack estimates and regularity for elliptic pde in divergence form
17:20 – 17:40	Ayana Pinheiro C. Santana , Regularizing Effect for a Class of Maxwell-Schrödinger Systems
17:40 – 18:00	Gabriel Rodríguez V. , A perturbed elliptic problem involving the $p(x)$ -kirchhoff type triharmonic operator
18:00 – 18:20	Willy Barahona M , A variational inequality with competing operators of $p(x)$ -Kirchhoff type and convection term
18:20 – 18:40	Jesús Luque R. , Existence of solutions for a quasilinear third-order boundary value problems
18:40 – 19:00	Vando Narciso , Attractors for a class of nonlocal energy plate model
19:00 – 19:20	Isadora M. de Jesus , Massera's theorems for a higher order dispersive system
Jantar por Adesão	

Quinta-Feira – 09 de novembro de 2023 IM-UFAL (17:00-19:00)	
Sala 3 do IM-novo (Análise III)	
Jamilson Campos (coordenador)	
17:00 – 17:20	Thaís Jordão , Approximation numbers of kernels satisfying an abstract Holder condition
17:20 – 17:40	Luis A. G. Santisteban , Adjoints and second adjoints of almost Dunford-Pettis operators
17:40 – 18:00	Michael A. Rincón Villamizar , Copies of ℓ_{∞} in the Banach space $P_{w^*K}(\ell_{\infty}^n, Y)$
18:00 – 18:20	Rômulo Maia Vermersch , Measure-theoretic uniformly positive entropy on the space of probability measures
18:20 – 18:40	Orlando Stanley Juriaans , Generalized geometry and transition probabilities
18:40 – 19:00	Victor Dos Santos Ronchim , Surjective isometries in the lorentz sequence spaces
Jantar de Confraternização (por adesão)	

Sessão de Pôsteres - Hall do Auditório Vera Rocha

Sexta-Feira, 10 de novembro de 2023
10:30-12:00

Análise

1. **Alexandre César Bispo Lima**, Factorization theorems for summing operators
2. **Antonio Araújo do Nascimento**, A convenient application of the multilinear theory to mid summing linear operators
3. **Bruna Zampieri Centurion**, Weighted norm inequalities for integral transforms of Fourier type (F-transforms)
4. **Daniel Galdino Simão**, Introduction to the theory of distribution
5. **Evândio Demétrio Júnior**, Basic sequences criteria on topological vector spaces
6. **Hermes Neto**, Universality limit for Stahl-Totik regular measures
7. **Juan David Rubio Tabares**, Weakly null sequences in $L_1[0,1]$

Análise Numérica

1. **Daniel Morales**, Error analysis of the solutions of a nonlinear parabolic problem with terms concentrating in an oscillatory neighborhood of the boundary
2. **Martha P. Pulido**, A discretization of ψ -Riemann-Liouville fractional derivative
3. **Régis S. de Quadros**, Modeling cancer cell migration: temporal evolution of non-conserved field variables
4. **Luciano Magrini**, Correlation between COVID-19 cases and temperature in São Paulo city with wavelet analysis
5. **Daniela Buske**, Resolution of the linear system generated by applying the 3D-GILTT method in the transient three-dimensional advection-diffusion equation

EDO-EDF-EDI

1. **Adriano Peixoto**, Existence of positive solution for a second-order nonlinear problem with mixed conditions

EDP-Elípticas

1. **Eduardo D. Lima**, Existence and multiplicity of solutions for Kirchhoff problems via nonlinear Rayleigh quotient in \mathbb{R}^N
2. **Jefferson L.A. Oliveira**, Normalized solution for Schrödinger equations with L^p -subcritical and critical growth in \mathbb{R}^N
3. **Marlos Rodrigues Rocha**, Semilinear Elliptic Problems Via The Nonlinear Rayleigh Quotient With Two Nonlocal Nonlinearities
4. **Rodolfo Ferreira de Oliveira**, Infinitely many solutions for an elliptic equation with arbitrary growth in the upper-half space
5. **Artur Jorge Marinho**, Partial differential equations and (co)homology theory
6. **Hugo Henryque C. e Silva**, Morse theory and applications to a class of semilinear elliptic problems
7. **Ismael Oliveira**, Characterization of the Maximum Principle for linear second order elliptic operators with non-local term
8. **José Luando Santos**, Ground state solution for a linearly coupled stein-weiss system in \mathbb{R}^2
9. **Lázaro R.S. de Assis**, On fractional musielak-sobolev spaces and applications to nonlocal problems
10. **Marta Menezes**, Hamiltonian systems in the plane involving vanishing potentials
11. **Naisa Camila Garcia**, Extremal shape for eigenvalues of the Grushin laplacian
12. **Ronaldo L. da Silva**, On a elliptic problem involving the $p(x)$ -laplacian and sobolev-hardy critical exponents
13. **Wanessa F. Tavares**, Spectral theory for the \mathcal{L}_T Grushin operator

EDP-Evolução

1. **Antonio G. Leite**, Asymptotic behavior of the elastic wave equation with localized Kelvin-Voigt damping and memory effects
2. **Eric A. S. Santos**, Exact boundary controllability for the Korteweg-de Vries on bounded domains
3. **Ester Beatriz**, A Lyapunov function for fully nonlinear degenerate equations
4. **Jackellyny D. do N. Carvalho**, Stability and eigenvalue bounds for micropolar shear flows
5. **Daniela Buske**, Effect of soil retardation factor on a pollutant transport model
6. **Rafael O. de Jesus**, Strong stabilization for a Timoshenko beam system with internal fractional damping
7. **Roseane Martins**, Exponential stability of the von Kármán system with internal damping
8. **Leandro C. Araújo**, Suspension bridge with internal damping