

Volume 63
Number 2
2022

ISSN 1669-9637 (online)
ISSN 0041-6932 (print)

Revista de la
Unión
Matemática
Argentina



Contents

Volume 63 | Number 2 | 2022

- 293 Blow-up of positive-initial-energy solutions for nonlinearly damped semilinear wave equations.
Mohamed Amine Kerker
- 305 Binomial edge ideals of cographs. *Thomas Kahle and Jonas Krüsemann*
- 317 A compact manifold with infinite-dimensional co-invariant cohomology. *Mehdi Nabil*
- 327 Conformal vector fields on statistical manifolds. *Leila Samereh and Esmaeil Peyghan*
- 353 The isometry groups of Lorentzian three-dimensional unimodular simply connected Lie groups.
Mohamed Boucetta and Abdelmounaim Chakkar
- 379 On the differential and Volterra-type integral operators on Fock-type spaces. *Tesfa Mengestie*
- 397 A note on the density of the partial regularity result in the class of viscosity solutions. *Disson dos Prazeres, Edgard A. Pimentel, and Giane C. Rampasso*
- 413 Monster graphs are determined by their Laplacian spectra. *Ali Zeydi Abdian, Ali Reza Ashrafi, Lowell W. Beineke, Mohammad Reza Oboudi, and Gholam Hossein Fath-Tabar*
- 425 Sharp bounds for fractional type operators with $L^{\alpha,s}$ -Hörmander conditions. *Gonzalo H. Ibañez-Firnkorn, María Silvina Riveros, and Raúl E. Vidal*
- 443 The isolation of the first eigenvalue for a Dirichlet eigenvalue problem involving the Finsler p -Laplacian and a nonlocal term. *Andrei Grecu*
- 455 The algebraic sets of vectors generating planar normal sections of isoparametric hypersurfaces of FKM type. *Cristián U. Sánchez*
- 475 Orlicz version of mixed moment tensors. *Chang-Jian Zhao*
- 489 Affinity kernels on measure spaces and maximal operators. *Hugo Aimar, Ivana Gómez, and Luis Nowak*
- 505 Bilinear differential operators and $\mathfrak{osp}(1|2)$ -relative cohomology on $\mathbb{R}^{1|1}$. *Abderraouf Ghallabi and Meher Abdaoui*
- 523 On the common fixed points of double sequences of two-parameter nonexpansive semigroups in strictly convex Banach spaces. *Rasoul Abazari and Asadollah Niknam*

Editor-in-chief

Alicia Dickenstein
Universidad de Buenos Aires, Argentina

Managing editors

Gabriel Acosta
Universidad de Buenos Aires, Argentina
Liliana Forzani
Universidad Nacional del Litoral, Argentina
María Julia Redondo
Universidad Nacional del Sur, Argentina
Paulo Tiraó
Universidad Nacional de Córdoba, Argentina
Ignacio Viglizzo
Universidad Nacional del Sur, Argentina

Editors

Nicolás Andruskiewitsch
Universidad Nacional de Córdoba, Argentina
Graciela Boente
Universidad de Buenos Aires, Argentina
Flavia Bonomo
Universidad de Buenos Aires, Argentina
Carlos Cabrelli
Universidad de Buenos Aires, Argentina
Luis A. Caffarelli
University of Texas at Austin, USA
Hernán Cendrá
Universidad Nacional del Sur, Argentina
Gustavo Corach
Instituto Argentino de Matemática, Argentina
Carlos D'Andrea
Universitat de Barcelona, Spain
Ricardo Durán
Universidad de Buenos Aires, Argentina
Pablo Ferrari
Universidad de Buenos Aires, Argentina
Anna Fino
Università degli Studi di Torino, Italia
István Heckenberger
Philipps-Universität Marburg, Germany
Matilde Lalín
Université de Montréal, Canada
Juan Carlos Marrero
Universidad de La Laguna, Spain
Roberto Miatello
Universidad Nacional de Córdoba, Argentina

Gabriel Minian
Universidad de Buenos Aires, Argentina
Ursula Molter
Universidad de Buenos Aires, Argentina
Virginia Naibo
Kansas State University
Carlos Olmos
Universidad Nacional de Córdoba, Argentina
Alf Onshuus
Universidad de los Andes, Colombia
Arturo Pianzola
University of Alberta, Canada and Universidad CAECE, Argentina
Enrique Pujals
The City University of New York, USA
Tudor S. Ratiu
School of Mathematics, Shanghai Jiao Tong University, China
Simon Riche
Université Clermont Auvergne, France
Julio Rossi
Universidad de Buenos Aires, Argentina
Martín Safe
Universidad Nacional del Sur, Argentina
Pablo Shmerkin
Universidad Torcuato Di Tella, Argentina
Luis Silvestre
University of Chicago, USA
Domingo Tarzia
Universidad Austral, Argentina
Jan Felipe van Diejen
Universidad de Talca, Chile

Production editors

Fernando J. Gómez
Instituto de Matemática de Bahía Blanca, Argentina
Juliana Cornago
Instituto de Matemática de Bahía Blanca, Argentina