

Session 39, Contributed Papers

Wednesday 18, Room 215–216–217

- 15:30–16:00 **Szegő-Padé approximants for Stieltjes functions**
Manuel Bello Hernández
- 15:30–16:00 **A characterization of Painlevé transcendents under changes of the independent variable**
Ángel María Martín del Rey
- 15:30–16:00 **Extensions of rational modules**
Juan Cuadra Díaz
- 16:00–16:30 **Banach function spaces from vector measures**
Olvido Delgado Garrido
- 16:00–16:30 **Un nuevo método numérico para la obtención de soluciones de la ecuación integro-diferencial de Volterra**
Miguel Ángel Fortes Escalona
- 16:00–16:30 **Long ascending paths in dimension 4**
Julian Pfeifle
- 16:30–17:00 **Complete linear Weingarten surfaces of maximal type**
Juan Ángel Aledo Sánchez
- 16:30–17:00 **Cesaro means for Fourier-Neumann series**
Juan Luis Varona Malumbres
- 16:30–17:00 **Complete spacelike hypersurfaces with constant mean curvature in the de Sitter space: A gap theorem**
Aldir Brasil Junior
- 17:30–18:00 **Hasse-Schmidt derivations and coefficient fields in positive characteristics**
María Magdalena Fernández Lebrón
- 17:30–18:00 **Polynomials for Kloosterman sums**
Stan Gurak
- 17:30–18:00 **Chaotic polynomials on infinite dimensional spaces**
Félix Martínez Giménez
- 18:00–18:30 **Modeling analytic maps of the unit ball**
Alexander Richman
- 18:00–18:30 **MLUR renormable Banach spaces**
Sebastián Lajara López
- 18:00–18:30 **On a construction for substitutional quasiperiodic tilings**
Juan García Escudero
- 18:30–19:00 **Inheritance of regularity by Peirce gradings**
José Ángel Anquela Vicente
- 18:30–19:00 **Filtrations on finitely presented algebras**
Fco. Javier Lobillo Borrero
- 18:30–19:00 **Coloured tessellations by NEC polygonal groups**
Ceferino Ruiz
- 19:00–19:30 **Caracterización de elipsoides por secciones**
Pedro Martín Jiménez

- 19:00–19:30 **Homogenization of Dirichlet problems for general monotone elliptic and parabolic operators in general perforated domains**
Carmen Calvo Jurado
- 19:00–19:30 **Teoremas de inserción y propiedades de tipo normalidad en espacios L -topológicamente generados**
Iraide Mardones Pérez
- 19:30–20:00 **Grey noise and some difference fractional differential equations**
Khairia El-Nadi

Thursday 19, Room 215–216–217

- 11:30–12:00 **Estudio de la \mathcal{O} -torsión en un \mathcal{D} -módulo**
M^a Ángeles Moreno Frías
- 11:30–12:00 **Renormalized solutions of a nonlinear parabolic-elliptic system**
María Teresa González Montesinos
- 11:30–12:00 **Los inicios de la combinatoria**
Mary Sol de Mora Charles
- 12:00–12:30 **Unsolvability of algebraic equations leads to iterative methods**
José Orlando Gomes Freitas
- 12:00–12:30 **A Bohr type theorem in Hardy spaces**
Catherine Beneteau
- 12:00–12:30 **Weighted function spaces: Primitives and derivatives**
Luis Manuel Tovar Sánchez
- 12:30–13:00 **Classification of the 5-dimensional power-associative 2nd-order Bernstein algebras**
Pilar Vicente Matilla
- 12:30–13:00 **Topological quantum field theories and gerbes**
Roger Picken
- 12:30–13:00 **A note on exact and approximate solutions of integral equations of the second kind using maple software**
Javad Abdalkhani
- 13:00–13:30 **Inverse topological pressure and applications**
Eugen Mihailescu
- 13:00–13:30 **A topological method for geodesic connectedness of spacetimes**
José Luis Flores Dorado
- 13:00–13:30 **Radial slit regions and the univalent Bloch constant**
Philip Brown
- 15:30–16:00 **Martindale-like Jordan systems of quotients**
Esther García González
- 15:30–16:00 **On the semilocal convergence of Newton's methods under unifying conditions**
José Manuel Gutiérrez Jiménez
- 16:00–16:30 **Weak sufficient convergence conditions and applications for Newton methods**
Ioannis Argyros

- 16:00–16:30 **Constructive approximation on Riemann surfaces**
Paul Gauthier
- 16:00–16:30 **Isotonies on ordered cones through the concept of a decreasing scale**
Esteban Induráin Eraso
- 16:30–17:00 **On infinite dimensional Lie algebras having a cartan decomposition**
Manuel Forero Piulestán
- 16:30–17:00 **Estimates for some kinds of exponential sums over singular varieties**
Antonio Rojas León
- 16:30–17:00 **Growth estimates for generalized factors of H^p spaces**
Angeliki Kazas
- 17:30–18:00 **Irrationality bases, super Liouville numbers, and Euler’s constant**
Jonathan Sondow
- 17:30–18:00 **Derivadas parciales de funciones en conjuntos cúbicos, aplicaciones en aproximación de funciones, cálculos de homología y estudio de datos**
Eduardo Sáenz de Cabezón Irigaray
- 17:30–18:00 **Point distributions and circle packings**
George Brock Williams
- 18:00–18:30 **Finite Blaschke products of contractions**
Pei Yuan Wu
- 18:00–18:30 **Two weight inequalities arise from a Campbell-type formula**
Óscar Ciaurri Ramírez
- 18:00–18:30 **Resonance in an interacting induced dipoles polarization model**
Francisco Torrens Zaragoza
- 18:30–19:00 **Asturian MDS-codes**
Elena Couselo Hernández
- 18:30–19:00 **Extended centroid of essential ideals**
Miguel Cabrera García
- 18:30–19:00 **Stability of stochastic differential equations under discretization**
Andrzej Korzeniowski
- 19:00–19:30 **On Leibniz 3-algebras**
Manuel Ladra González
- 19:00–19:30 **Local–global properties for semistar operations**
Pascual Jara
- 19:00–19:30 **Relatively weakly open sets in closed balls of C^* -algebras**
Julio Becerra Guerrero

Friday 20, Room 215–216–217

- 10:30–11:00 **Formulas for $\Pi(x)$ and the n -th prime**

- Sebastián Martín Ruiz
- 10:30–11:00 **High order algorithms for N -th root approximation**
Natalia Romero Álvarez
- 10:30–11:00 **Discrete valuations of $k((X_1, \dots, X_n))$.**
Miguel Ángel Olalla Acosta
- 11:00–11:30 **Initial-value problems and schauder bases**
Domingo Gámez Domingo
- 11:00–11:30 **Uniqueness of best L_1 -approximation from the set of splines with infinitely many simple knots**
Antonio Damas Serrano
- 11:00–11:30 **On a family of naturally graded Lie Algebras no p-filiform**
Alfonso González Regaña
- 11:30–12:00 **A computational method to construct the Lie correspondence on a matrix nilpotent Lie group**
Juan Carlos Benjumea Acevedo
- 11:30–12:00 **Shapley-Bondareva theorem for games on partially ordered linear spaces**
Justo Puerto Albandoz
- 11:30–12:00 **On the Hurwitz problem for groups of exponent n**
Anthony Weaver
- 12:00–12:30 **Hyperbolic temperature of two bodies in contact**
Macarena Trujillo Guillén
- 12:00–12:30 **Higher order Painleve equations**
Andrew Pickering
- 12:00–12:30 **Hyperbolic groups, geodesic flows and so on.**
Igor Mineyev
- 12:30–13:00 **Convergence of ray sequences of Pade approximants for ${}_2F_1(a, 1; c; z)$, $(c \neq a; 0)$.**
Kathy Driver
- 12:30–13:00 **Pappus-Guldin versus Weyl's tube formulae**
Vicente Miquel Molina
- 12:30–13:00 **Soluciones renormalizadas para algunos problemas parabólicos con difusión singular y datos en L^1**
Concepción García Vázquez
- 13:00–13:30 **On the proper homotopy classification of locally compact A_n^2 -polyhedra**
Fernando Muro Jiménez
- 13:00–13:30 **On tensor norms and operator ideals defined by an Orlicz sequence**
Gabriel Ignacio Loaiza Ossa
- 13:00–13:30 **Tangles and matroids**
Stephen Huggett

Saturday 21, Room 215–216–217

- 09:00–09:30 **Locating pursuers on the plane**

- Francisco Alonso Ortega Riejos
- 09:00–09:30 **Linear differential equations and analytic function spaces**
Jouni Rättyä
- 09:00–09:30 **Transitivity and reflexivity of spaces of Hankel operators**
Ruben Martínez Avendaño
- 09:30–10:00 **Attracting periodic orbits of some classical third order iterative methods**
Sergio Amat Plata
- 09:30–10:00 **Rogers-Ramanujan type identities and the Fibonacci sequence**
Jose Plinio Santos
- 09:30–10:00 **On ideal and subalgebra coefficients in certain k -algebras**
María Isabel González Vasco
- 10:00–10:30 **On the dynamics of the classical third–order iterative methods**
Sonia Busquier Sáez
- 10:00–10:30 **Aproximación de soluciones de ecuaciones no lineales mediante procesos iterativos que no utilizan derivadas**
José Antonio Ezquerro Fernández
- 10:00–10:30 **Homotopy classification of Poincarè duality pairs of dimension three**
Beatrice Bleile
- 10:30–11:00 **Aproximación de soluciones para ecuaciones integrales no lineales de Fredholm de segunda clase**
Miguel Ángel Hernández Verón