

X Workshop de Jóvenes Investigadores en Matemáticas

19 a 23 de Septiembre de 2016



Monday 19.

10:00 Registration.

10:30: Opening.

11:00: Coffee Break.

11:30: Ricardo Pérez-Marco. Irrational Mathematical Heuristics.

13:00: Lunch.

14:30: Marco Castrillón. Mechanics and Geometry: from the equation of a falling cat to Field Theories.

15:30: Peter Newstead. Coherent Systems on Algebraic Curves.

16:30: Coffee Break.

17:00: Miguel García. Morse-Sard Theorem for Sobolev functions.

17:30: Juan Luis Durán. Uniform Spaces.

18:00 Roberto Tomé. Group Theory applied to Rubik's solids of superior order.

Tuesday 20.

09:30 Adrián Babelo. About the imaginary genus of finite groups.

10:30: Ángel González. Gluing Hodge Structures on Character Varieties.

11:00: Coffee Break.

11:30: Cristina Jardón. Lie Systems: Theory and Applications.

12:30: Thomas Wasserman. Once-Extended Three-Dimensional Oriented Topological Gauge Theory.

13:30: Lunch.

15:00: Alicia Cantón. Asymptotic values and analytic sets.

16:00: Macarena Anzola. Real rank of binary forms.

16:30: Coffee Break.

17:00: Raquel Sánchez. Differential Galois Theory and Darboux transformations for Integrable Systems.

17:30: Beatriz Pascual. Nash multiplicity sequence for points of maximum multiplicity.

18:00 Leyter Potenciano. An inverse boundary value problem for a magnetic Schrödinger operator.

Wednesday 21.

09:30 Marta Casanellas. Algebra, Geometry and Phylogenetics.

10:30: Miguel Ángel Javaloyes. Wind Finslerian Structures: from Zermelo's Navigation to the Causality of Spacetimes.

11:30: Coffee Break.

12:00: Juan Ángel Rojo. Some Geometric Aspects of Orbifolds (I)

13:00: Laura Martín-Valverde. New Examples of co-Frobenius Quantum Groups.

13:30: Pablo Manuel Berná. Greedy Approximation with regard to Bases.

Thursday 22.

09:30: David Pérez. Undecidability of the spectral gap problem .

10:30: Luis Maire. Uniqueness technics in some boundary blow-up elliptic problems

11:00: Coffee Break.

11:30: Poster Session.

12:00: Víctor Arnáiz. Delocalization of Eigenfunctions for Perturbations of the Harmonic Oscillator

12:30: José Pedro Moreno. Extension of Cantor's intersection theorem to $C(K)$ spaces.

13:00: Javier Cabello. Almost isometries, semi-Lipschitz functions and Lorentzian geometry.

13:30: Lunch.

15:00: Omar Rosario Cayetano. Small values of the hyperbolicity constant in graphs.

15:30: Misael Enrique Marriaga. Three term relations for a class of bivariate orthogonal polynomials.

16:00 Ernesto Correa. Nonlocal operators of order near zero.

16:30: Coffee Break.

17:00: Pablo Catalán. ToyLIFE: a simple model to understand the complexities of the genotype-phenotype map.

17:30: Frank Prieto. Numerical computation of coexistence and meta-coexistence states of Lotka-Volterra competition systems.

18:00 Ariel Díaz. Polydisperse hard rectangles: A simple model for vibrated monolayers of granular rods

Friday 23.

09:30: Matteo Bonforte. Nonlinear and Nonlocal Degenerate Diffusions on Bounded Domains.

10:30: Pedro Chocano. Some Geometric Aspects of Orbifolds (II)

11:30: Coffee Break.

12:00: Elena María Castilla. New estimators for multinomial logistic regression using complex survey data.

12:30: Juan José Madrigal. MATHIFOLD - mathifold.org

13:00: David Gómez. Reaction-diffusion equation . From classical formulation to very weak .

13:30: Jorge González. Adversarial Risk Analysis.

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