

# Wednesday, June 14. Contributed Talks

## AULA 3

**15:00-15:30:** Parallel-in-time solver for the all-at-once Runge-Kutta discretization. Ángeles Martínez Calomardo.

**15:30-16:00:** How perturbations propagate along the solutions of linear ordinary differential equations: a relative error analysis. Asma Farooq.

**16:00-16:30:** Characterization of a sparse problem with stochastic coefficients to solve elliptic BVPs. Jorge Morón Vidal.

## AULA 5

**15:00-15:30:** Dispersion Entropy for Graph Signals. John Stewart Fabila Carrasco.

**15:30-16:00:** The (multivariate) Pascal matrix. Helena Cobo.

**16:00-16:30:** Spread Code Constructions from Abelian Non-Cyclic Groups. Xaro Soler-Escrivá.

## AULA 6

## AULA 6F

**15:00-15:30:** Generating acyclic symmetric matrices with the minimum number of distinct eigenvalues. Luiz Emilio Alem.

**15:30-16:00:** Number of non-isomorphic graphs obtained from a tree by switches. Rosário Fernandes.

**16:00-16:30:** A geometric construction of isospectral graphs for the discrete magnetic Laplacian. Fernando Lledó.

## AULA 7

**15:00-15:30:** Sequences of lower and upper bounds for the spectral radius of a nonnegative matrix and applications. Aikaterini Aretaki.

**15:30-16:00:** Obtaining the Jordan structure of a totally nonnegative matrix from the Jordan structures of an upper block echelon matrix. Rafael Cantó.

**16:00-16:30:** Simplifying the compensation criteria for the real nonnegative inverse eigenvalue problem. Roberto Canogar.

## AULA 10

15:00-15:30: The Varchenko Determinant for Complexes of Oriented Matroids. Sophia Keip.

15:30-16:00: Matrices Similar to Centrosymmetric Matrices. Rubén Martínez Avendaño.

16:00-16:30: Jordan Structure and Stability of Schur Canonical Form. Anastasiia Minenkova.

## AULA 11

15:00-15:30: Generating efficient vectors for pairwise comparison matrices. Susana Furtado.

15:30-16:00: Decompositions of matrices into torsion matrices and zero-square matrices. Esther García.

16:00-16:30: Self-dual polyhedral cones and their slack matrices. João Gouveia.

## AULA 12

15:00-15:30: On the smallest positive eigenvalue of bipartite graphs. Subhasish Behera.

15:30-16:00: Locating Eigenvalues of Unicyclic Graphs. Rodrigo Braga.

16:00-16:30: Recovering the Spectrum of a Graph Having Most of its Eigenvalues Shared by a Vertex Deleted Subgraph. Alexander Farrugia.

## AULA 15

15:00-15:30: Partial Smoothness of the Numerical Radius at Matrices whose Fields of Values are Disks. Michael Overton.

15:30-16:00: Computational aspects related to Serre's reduction of underdetermined linear functional systems. Mohamed Salah Boudellioua.

16:00-16:30: V-AISM, an Approximate Inverse LU Preconditioner. José Mas.

## AULA 16

15:00-15:30: New perturbation bounds for eigenvalues of quadratic eigenvalue problem for efficient damping optimization. Ranjar Kumar Das.

15:30-16:00: Optimizing the Rayleigh quotient with symmetric constraints and its application to perturbations of structured polynomial eigenvalue problems. Anshul Parjapati.

16:00-16:30: An inexact matrix-Newton method for solving eigenvector-dependent nonlinear eigenvalue problems. Tom Werner.

## AULA SEMINARIOS

**15:00-15:30:** Structured solutions of the reduced biquaternion matrix equations with applications. Neha Bhadala.

**15:30-16:00:** Recent Progress in GMRES-Based Iterative Refinement for Weighted and Generalized Least-Squares Problems. Eda Oktay.

**16:00-16:30:** On Strongly Infinitely Divisible Matrices. Samir Mondal.

Updated: 02 June 2023