

MSC05. Bounded rank perturbations in matrix theory and related problems.

Organizers: Itziar Baragaña, Froilán M. Dopico, Alicia Roca.

- MONDAY, 11:10–11:40: AULA 16.** Stabilization of port-Hamiltonian systems by low rank output feedback. Volker Mehrmann.
- MONDAY, 11:40–12:10: AULA 16.** Eigenvalues of rank one perturbations of singular M-matrices. André Ran.
- MONDAY, 12:10–12:40: AULA 16.** Rank one perturbations of matrices with applications in graph theory. Michal Mojtylak.
- MONDAY, 12:40–13:10: AULA 16.** Solving singular generalized eigenvalue problems: perturbation, projection and structure preservation. Christian Mehl.
- MONDAY, 17:00–17:30: AULA 16.** Minimal rank factorizations of low rank polynomial matrices. Froilán M. Dopico.
- MONDAY, 17:30–18:00: AULA 16.** Combinatorics in matrix pencils completion and rank perturbation problems. Marko Stosic.
- MONDAY, 18:00–18:30: AULA 16.** Minimal rank perturbations of matrix pencils. Marija Dodig.
- MONDAY, 18:30–19:00: AULA 16.** Rank-one perturbation of linear relations via matrix pencils. Alicia Roca.
- TUESDAY, 17:00–17:30: AULA 16.** Generic skew-symmetric matrix polynomials with bounded rank and fixed even grade. Andrii Dmytryshyn.
- TUESDAY, 17:30–18:00: AULA 16.** Generic Hermitian matrix pencils with bounded rank. Fernando De Terán.
- TUESDAY, 18:00–18:30: AULA 16.** An interlacing result for Hermitian matrices in Minkowski space. Madeleine van Straaten.
- TUESDAY, 18:30–19:00: AULA 16.** Spectral enclosures and resolvent estimates for matrix and operator polynomials. Christiane Tretter.
- THURSDAY, 17:00–17:30: AULA 16.** Jordan-like decompositions of linear relations. Henrik Winkler.
- THURSDAY, 17:30–18:00: AULA 16.** Kernel and range representation of matrix pencils. Carsten Trunk.
- THURSDAY, 18:00–18:30: AULA 16.** Weyr characteristics perturbation results for matrix pencils. Francisco Martínez-Pería.
- THURSDAY, 18:30–19:00: AULA 16.** Small rank perturbations of H-expansive matrices. Dawie Janse van Rensburg.