

MSC09. Polynomial and rational matrices and applications.

Organizers: Maria del Carmen Quintana Ponce, Vanni Noferini, Paul M. Van Dooren.

TUESDAY, 11:10–11:40: AULA 16. Spectral Localization and the Infinite Elementary Divisor Structure of Matrix Polynomials. D. Steven Mackey.

TUESDAY, 11:40–12:10: AULA 16. Filters connecting spectrally equivalent nonsingular polynomial matrices. Silvia Marcaida.

TUESDAY, 12:10–12:40: AULA 16. Isomorphisms between Ansatz Spaces over Classical Polynomial Bases. Vasilije Perovic.

TUESDAY, 12:40–13:10: AULA 16. Diagonalizable Matrix Polynomials. Ion Zaballa.

WEDNESDAY, 11:10–11:40: AULA 16. Error representation of block rational Krylov methods by means of rational matrices. Angelo A. Casulli.

WEDNESDAY, 11:40–12:10: AULA 16. Error analysis of compact Arnoldi methods for linearized polynomial eigenvalue problems. Javier Pérez.

WEDNESDAY, 12:10–12:40: AULA 16. Rectangular multiparameter eigenvalue problems. Bor Plestenjak.

WEDNESDAY, 12:40–13:10: AULA 16. Eigenvector error bounds and perturbation for nonlinear eigenvalue problems. Françoise Tisseur.

THURSDAY, 11:10–11:40: AULA 16. Linearization of meromorphic matrix-valued functions. Rafikul Alam.

THURSDAY, 11:40–12:10: AULA 16. Rational approximation and linearisation for nonlinear eigenvalue problems and nonlinear systems. Karl Meerbergen.

THURSDAY, 12:10–12:40: AULA 16. Computing zeros of rational functions and matrices. María C. Quintana.

THURSDAY, 12:40–13:10: AULA 16. Randomized sketching of nonlinear eigenvalue problems. Daniel Kressner.

FRIDAY, 11:10–11:40: AULA 16. On the Rellich eigendecomposition of para-Hermitian matrices on the unit circle. Giovanni Barbarino.

FRIDAY, 11:40–12:10: AULA 16. Computing the nearest (structured) singular matrix polynomial. Miryam Gnazzo.

FRIDAY, 12:10–12:40: AULA 16. Nearest singular pencil via Riemannian optimization. Lauri Nyman.

FRIDAY, 12:40–13:10: AULA 16. Computing a compact local Smith McMillan form. Paul Van Dooren.