

MSC19. Totally positive matrices.

Organizers: Ana Marco, José-Javier Martínez, Raquel Viaña.

MONDAY, 17:00-17:30: AULA 7. Some optimal properties related to Total Positivity. Juan Manuel Peña.

MONDAY, 17:30-18:00: AULA 7. Bidiagonal decomposition of rectangular totally positive Lagrange-Vandermonde matrices and applications. Ana Marco.

MONDAY, 18:00-18:30: AULA 7. Accurate computations with rectangular totally positive collocation matrices of the Lupas-type (p,q) -analogue of the Bernstein basis. Raquel Viaña.

MONDAY, 18:30-19:00: AULA 7. On the total positivity of Gram matrices of polynomial bases. Esmeralda Mainar.

TUESDAY, 17:00-17:30: AULA 7. Accurate eigenvalues of some generalized sign regular matrices via relatively robust representations. Rong Huang.

TUESDAY, 17:30-18:00: AULA 7. Bidiagonal decompositions of singular sign regular matrices of signature $(1, \dots, 1, -1)$. Plamen Koev.

TUESDAY, 18:00-18:30: AULA 7. Tropical totally positive matrices. Adi Niv.

TUESDAY, 18:30-19:00: AULA 7. Linear Algebra in Approximation Theory: a new hope. José-Javier Martínez.

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