

Session 29, Numerical linear algebra

Thursday 19, Room 306

- 11:30–12:00 **Speeding up backfitting of large linear additive models**
Gene Golub
- 12:00–12:30 **On the sensitivity of orthonormal bases of invariant subspaces of Hermitian matrices**
Julio Moro Carreño
- 12:30–13:00 **A Krylov subspace method for quadratic matrix polynomials with application to constrained least squares problems**
Qiang Ye
- 15:30–16:00 **An implicitly restarted Block-Lanczos method for large Hermitian eigenproblems**
Daniela Calvetti
- 16:00–16:30 **An orthogonal high relative accuracy algorithm for the symmetric eigenproblem**
Froilán Martínez-Dopico
- 16:30–17:00 **On the eigenproblem for orthogonal Hessenberg matrices**
Bill Gragg
- 17:30–18:00 **Comrade matrices and unified algorithms for DCT/DST's**
Vadim Olshevsky
- 18:00–18:30 **On the shifted QR iteration applied to a Frobenius matrix**
Dario Andrea Bini

Saturday 21, Room 306

- 09:30–10:00 **On the stability of some pivoting strategies for Gauss elimination**
Juan Manuel Peña Ferrández
- 10:00–10:30 **SVD computation on a grid**
Franklin Luk
- 10:30–11:00 **Pole placement preconditioning**
Lothar Reichel