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Research interest: Numerical algorithms; Numerical linear algebra.

Recent publications:

[1] Saša Singer„*Sensitivity of the Heath Transfer Coefficient Calculation",* **Materials Performance and Characterization, 3** (2014)**,** no. 4,184 – 209.
[2] Vjeran Hari, Sanja Singer, Saša Singer„*Block J-Jacobi Method for Hermitian Matrices",* **Linear Algebra Appl., 444** (2014), 1 – 27.
[3] Sanja Singer, Saša Singer, Vedran Novaković, Aleksandar Ušćumlić, VedranDunjko „*Novel Modifications of Parallel Jacobi Algorithms",* **Numer. Alg. 59** (2012), 1 – 27.
[4] Sanja Singer, Saša Singer, Vedran Novaković, Davor Davidović, Krešimir Bokulić, Aleksandar Ušćumlić „*Three-Level Parallel J-Jacobi Algorithms for Hermitian Matrices",* **Appl. Math. Comput.**(2012), 5704 – 5725.
[5] Vjeran Hari, Sanja Singer, Saša Singer „*Block-Oriented J-Jacobi Methods for Hermitian Matrices",* **Linear Algebra Appl., 433** (2010), 1491 – 1512.

Selected publications:

[1] Vedran Novaković, Sanja Singer, Saša Singer „*Estimates for the Spectral Condition Number of Cardinal B-Spline Collocation Matrices",* **Math. Commun., 15** (2010), 503-519.
[2] Sanja Singer, Saša Singer „*Orthosymmetric Block Reflectors",* **Linear Algebra Appl., 429** (2008), 1354 – 1385.
[3] Saša Singer, Sanja Singer „*Efficient Implementation of the Nelder–Mead Search Algorithm",* **Appl. Numer. Anal.Comput.Math. 1** (2004), 524 – 534.
[4] Sanja Singer, Saša Singer „*Rounding–Error and Perturbation Bounds for the Symplectic QR Factorization",* **Linear Algebra Appl. 358** (2003), 255 – 279.
[5] Sanja Singer, Saša Singer „*Rounding–Error and Perturbation Bounds for the Indefinite QR Factorization",* **Linear Algebra Appl. 309** (2000), 103 – 119.