Josip Matejaš

Associate Professor, Faculty of Economics and Business,
University of Zagreb,
PhD University of Zagreb, 1996.

Research interest: Numerical linear algebra, Jacobi-type algorithms.

Recent publications:

[1] Matejaš J.: *Accuracy of one step of the Falk-Langemeyer method*, to appear in **Numerical Algorithms**.

[2] Matejaš J., Hari V.: *On High Relative Accuracy of the Kogbetliantz Method*, **Linear Algebra and itsApplications** 464 (2015), 100-129.

[3] Matejaš J., Perić T.: *A new iterative method for solving multiobjective linearprogramming problem*, **Applied Mathematics and Computation** 243 (2014), 746-754.

[4] Matejaš J., Hari V.: *Accuracy of the Kogbetliantz Method on Almost DiagonalTriangular Matrices*, **Applied Mathematics and Computation** 217 (2010), 3726-3746.

[5] Matejaš J.: *An Accurate Hybrid SVD Algorithm for 2 by 2Triangular Matrices*, **Mathematical Communications** 15 (2010), N.1, 281-289.

Selected publications:

[1] Matejaš J., Hari V.: *On High Relative Accuracy of the Kogbetliantz Method*, **Linear Algebra and itsApplications** 464 (2015), 100-129.

[2] Matejaš J.: *Accuracy of the Jacobi Method on ScaledDiagonally Dominant Symmetric Matrices*, **SIAM J. Matrix Analysis andApplications** 31 (2009), N.1, 133-153.

[3] Matejaš J., Hari V.: *Relative Eigenvalue and SingularValue Perturbations of Scaled Diagonally Dominant Matrices*, **BIT Numerical Mathematics** 48 (2009), N.4, 769-781.

[4] Matejaš J.:*Quadratic Convergence Bounds of ScaledIterates by the Serial Jacobi Methods for Indefinite HermitianMatrices*, **Electronic Journal of Linear Algebra** 17 (2008), 62-87.

[5] Matejaš J.: *Quadratic Convergence of Scaled Matrices inJacobi Method*, **NumerischeMathematik** 87 (2000), 171--199.