LJILJANA CVETKOVIĆ

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**M 21a**

Nedović Maja, Cvetković Ljiljana, The Schur Complement of PH-matrices, Applied Mathematics and Computation 362, 2019, 124541

<https://doi.org/10.1016/j.amc.2019.06.055>

Kostić Vladimir, Cvetković Ljiljana, On the inertia of the block H-matrices, Numerical Linear Algebra with Applications 24,5, 2017, e2101

 <https://doi.org/10.1002/nla.2101>

Kostić Vladimir, Cvetković Ljiljana, Cvetković Dragana, Pseudospectra localizations and their applications, Numerical Linear Algebra with Applications 23,2, 2016, pp. 356-372

 <https://doi.org/10.1002/nla.2028>

Kostić Vladimir, Miedlar Agnieszka, Cvetković Ljiljana, An algorithm for computing minimal Geršgorin sets, Numerical Linear Algebra with Applications 23,2, 2016, pp. 272-290

 <https://doi.org/10.1002/nla.2024>

Cvetković Ljiljana, Kostić Vladimir, A note on the convergence of the MSMAOR method for linear complementarity problems, Numerical Linear Algebra with Applications 21,4, 2014, pp. 534-539

 <https://doi.org/10.1002/nla.1896>

Kostić Vladimir, Varga Richard, Cvetković Ljiljana, Localization of Generalized Eigenvalues by Cartesian Ovals, Numerical Linear Algebra with Applications 19,4, 2012, pp. 728-741

 <https://doi.org/10.1002/nla.801>

Cvetković Ljiljana, Kostić Vladimir, Peña Juan Manuel, Eigenvalue localization refinements for matrices related to positivity, SIAM Journal on Matrix Analysis and Applications 32,3, 2011, pp. 771-784

 <https://doi.org/10.1137/100807077>

Herceg Dragoslav, Cvetković Ljiljana, On a numerical differentiation, SIAM Journal on Numerical Analysis 23, 1986, pp. 686-691

 <https://www.jstor.org/stable/2157532>

**M 21**

Kostić Vladimir, Cvetković Ljiljana, Šanca Ernest, From pseudospectra of diagonal blocks to pseudospectrum of a full matrix. J. Comput. Appl. Math. 386, 2021, 113265

<https://doi.org/10.1016/j.cam.2020.113265>

Cvetković Dragana, Cvetković Ljiljana, Li Chaoqian, CKV-type matrices with applications. Linear Algebra Appl. 608, 2021, pp.158–184

 <https://doi.org/10.1016/j.laa.2020.08.028>

Li Chaoqian, Cvetković Ljiljana, Wei Yimin, Zhao Jianxing, An infinity norm bound for the inverse of Dashnic- Zusmanovich type matrices with applications, Linear Algebra and Its Applications 565, 2019, pp. 99-122

 <https://doi.org/10.1016/j.laa.2018.12.013>

Šanca Ernest, Kostić Vladimir, Cvetković Ljiljana, Fractional pseudospectra and their localizations, Linear Algebra and its Applications 559, 2018, pp. 244-269

 <https://doi.org/10.1016/j.laa.2018.08.035>

Cvetković Ljiljana, Kostić Vladimir, Doroslovački Ksenija, Cvetković Dragana, Euclidean norm estimates of the inverse of some special block matrices, Applied Mathematics and Computation 284, 2016, pp. 12-23

 <https://doi.org/10.1016/j.amc.2016.02.048>

Cvetković Ljiljana, Kostić Vladimir, Šanca Ernest, A wider convergence area for the MSTMAOR iteration methods for LCP, Numerical Algorithms 71,1, 2015, pp. 77-88

 <https://doi.org/10.1007/s11075-015-9985-6>

Mihailović Dragutin, Kostić Vladimir, Mimić Gordan, Cvetković Ljiljana, Stability analysis of turbulent heat exchange over the heterogeneous environmental interface in climate models, Applied Mathematics and Computation 265, 2015, pp. 79-90

 <https://doi.org/10.1016/j.amc.2015.04.121>

Cvetković Ljiljana, Erić Mirjana, Pena Juan Manuel, Eventually SDD matrices and eigenvalue localization, Applied Mathematics and Computation 252, 2015, pp. 535-540

 <https://doi.org/10.1016/j.amc.2014.12.012>

Szulc Tomasz, Cvetković Ljiljana, Nedović Maja, Scaling technique for Partition-Nekrasov matrices, Applied Mathematics and Computation 271, 2015, pp. 201-208

 <https://doi.org/10.1016/j.amc.2015.08.136>

Mihailović Dragutin, Kostić Vladimir, Balaž Igor, Cvetković Ljiljana, Complexity and asymptotic stability in the process of biochemical substance exchange in a coupled ring of cells, Chaos Solitons and Fractals 65, 2014, pp. 30-43

 <https://doi.org/10.1016/j.chaos.2014.04.008>

Cvetković Ljiljana, Hadjidimos Apostolos, Kostić Vladimir, On the choice of parameters in MAOR type splitting methods for the linear complementarity problem, Numerical Algorithms 67,4, 2014, pp. 793-806

 <https://doi.org/10.1007/s11075-014-9824-1>

Cvetković Ljiljana, Doroslovački Ksenija, Max norm estimation for the inverse of block matrices, Applied Mathematics and Computation 242, 2014, pp. 694-706

 <https://doi.org/10.1016/j.amc.2014.06.035>

Cvetković Ljiljana, Dai Ping-Fan, Doroslovački Ksenija, Li Yao-Tang, Infinity norm bounds for the inverse of Nekrasov matrices, Applied Mathematics and Computation 219,10, 2013, pp. 5020-5024

 <https://doi.org/10.1016/j.amc.2012.11.056>

Cvetković Ljiljana, Kostić Vladimir, Doroslovački Ksenija, Max-norm bounds for the inverse of S-Nekrasov matrices, Applied Mathematics and Computation 218,18, 2012, pp. 9498-9503

 <https://doi.org/10.1016/j.amc.2012.03.040>

Cvetković Ljiljana, Nedović Maja, Eigenvalue localization refinements for the Schur complement, Applied Mathematics and Computation 218,17, 2012, pp. 8341-8346

 <https://doi.org/10.1016/j.amc.2012.01.058>

Cvetković Ljiljana, Kostić Vladimir, Application of Generalized Diagonal Dominance in Wireless Sensor Network Optimization Problems, Applied Mathematics and Computation 218,9, 2012, pp. 4798-4805

 <https://doi.org/10.1016/j.amc.2011.10.023>

Cvetković Ljiljana, Kostić Vladimir, Bru Rafael, Pedroche Francisco, A simple generalization of Gersgorin's theorem, Advances in Computational Mathematics 35,2-4, 2011, pp. 271-280

 <https://doi.org/10.1007/s10444-009-9143-6>

Bru Rafael, Cvetković Ljiljana, Kostić Vladimir, Pedroche Francisco, Sums of Σ-strictly diagonally dominant matrices, Linear and Multilinear Algebra 58,1, 2010, pp. 75-78

 <https://doi.org/10.1080/03081080802379725>

Cvetković Ljiljana, Peña Juan Manuel, Mimimal sets alternative to minimal Geršgorin sets, Applied Numerical Mathematics 60,4, 2010, pp. 442-451

 <https://doi.org/10.1016/j.apnum.2009.09.005>

Kostić Vladimir, Cvetković Ljiljana, Varga Richard, Geršgorin-type localizations of generalized eigenvalues, Numerical Linear Algebra with Applications 16,11-12, 2009, pp. 883-898

  <https://doi.org/10.1002/nla.671>

Cvetković Ljiljana, Kostić Vladimir, Rauški Sonja, A new subclass of H-matrices, Applied Mathematics and Computation 208, 2009, pp. 206-210

 <https://doi.org/10.1016/j.amc.2008.11.037>

Cvetković Ljiljana, Nedović Maja, Special H-matrices and their Schur and diagonal-Schur complements, Applied Mathematics and Computation 208, 2009, pp. 225-230

 <https://doi.org/10.1016/j.amc.2008.11.040>

**M 22**

Nedović Maja, Cvetković Ljiljana, Norm Bounds for the Inverse and Error Bounds for Linear Complementarity Problems for {P-1, P-2}-Nekrasov Matrices, Filomat 35,1, 2021, pp. 239-250

[https://doi.org/10.2298/FIL2101239N](https://doi.org/10.2298/FIL1909711D)

Doroslovački Ksenija, Cvetković Ljiljana, Šanca Ernest, A New Lower Bound for the Smallest Singular Value, Filomat 33,9, 2019, pp. 2711-2723

 <https://doi.org/10.2298/FIL1909711D>

Milićević Srđan, Kostić Vladimir, Cvetković Ljiljana, Miedlar Agnieszka, An implicit algorithm for computing the minimal Geršgorin set, Filomat 33,13, 2019, pp. 4229-4238

 <https://doi.org/10.2298/FIL1913229M>

Kostić Vladimir, Cvetković Ljiljana, Cvetković Dragana, Improved stability indicators for empirical food webs, Ecological Modelling 320, 2016, pp. 1-8

 <https://doi.org/10.1016/j.ecolmodel.2015.08.028>

Cvetković Ljiljana, Kostić Vladimir, Nedović Maja, Generalizations of Nekrasov matrices and applications, Central European Journal of Mathematics 13,1, 2015, pp. 96-105

 <https://doi.org/10.1515/math-2015-0012>

Bru Rafael, Cvetković Ljiljana, Kostić Vladimir, Pedroche Francisco, Characterization of α1 and α2 matrices, Central European Journal of Mathematics 8,1, 2010, pp. 32-40

 <https://doi.org/10.2478/s11533-009-0068-6>

Varga Richard, Cvetković Ljiljana, Kostić Vladimir, Approximation of the minimal Geršgorin set of a square complex matrix, Electronic Transactions on Numerical Analysis 30, 2008, pp. 398-405

 <http://etna.mcs.kent.edu/volumes/2001-2010/vol30/>

Cvetković Ljiljana, Kostić Vladimir, Kovačević Maja, Szulc Tomasz, Further results on H-matrices and their Schur complements, Applied Mathematics and Computation 198,2, 2008, pp. 506- 510

 <https://doi.org/10.1016/j.amc.2007.09.001>

Cvetković Ljiljana, Kostić Vladimir, A note on the convergence of the AOR method, Applied Mathematics and Computation 194,2, 2007, pp. 394-399

 <https://doi.org/10.1016/j.amc.2007.04.030>

Cvetković Ljiljana, Kostić Vladimir, Between Gersgorin and minimal Gersgorin sets, Journal of Computational and Applied Mathematics 196,2, 2006, pp. 452-458

 <https://doi.org/10.1016/j.cam.2005.09.012>

Cvetković Ljiljana, Rapajić Sanja, How to improve MAOR method convergence area for linear complementarity problems, Applied Mathematics and Computation 162, 2005, pp. 577- 584

 <https://doi.org/10.1016/j.amc.2003.12.108>

Cvetković Ljiljana, Kostić Vladimir, New criteria for identifying H-matrices, Journal of Computational and Applied Mathematics 180,2, 2005, pp. 265-278

 <https://doi.org/10.1016/j.cam.2004.10.017>

Cvetković Ljiljana, Kostić Vladimir, Varga Richard, A new Geršgorin-type eigenvalue inclusion set, Electronic Transactions on Numerical Analysis 18, 2004, pp. 73-80

 <http://etna.mcs.kent.edu/volumes/2001-2010/vol18/>

Cvetković Ljiljana, Some convergence conditions for a class of parallel decomposition-type linear relaxation methods, Applied Numerical Mathematics 41, 2002, pp. 81-87

 [https://doi.org/10.1016/S0168-9274(01)00111-8](https://doi.org/10.1016/S0168-9274%2801%2900111-8)

Cvetković Ljiljana, A note on the convergence of the MAOR method, Journal of Computational and Applied Mathematics 103, 1999, pp. 281-285

 [https://doi.org/10.1016/S0377-0427(98)00263-5](https://doi.org/10.1016/S0377-0427%2898%2900263-5)

Cvetković Ljiljana, Herceg Dragoslav, Some sufficient conditions for the convergence of the method of averaging functional corrections, Applied Numerical Mathematics 6, 1989/1990, pp. 187-194

 <https://www.academia.edu/15620255/Some_sufficient_conditions_for_the_convergence_of_the_method_of_averaging_functional_corrections>

Herceg Dragoslav, Cvetković Ljiljana, The AOR method for solving linear interval equations, Computing 41, 1989, pp. 359-364

 <https://doi.org/10.1007/BF02241224>

**M 23**

Cvetković Ljiljana, Kostić Vladimir, Šanca Ernest, Saed Abear, Error Control Based on the Novel Proof of Convergence of the MSMAOR Methods for the LCP, East Asian Journal on Applied Mathematics 8,2, 2018, pp. 352-364

 <https://doi.org/10.4208/eajam.211117.250118c>

Cvetković Ljiljana, Kostić Vladimir, New subclasses of block H-matrices with applications to parallel decomposition-type relaxation methods, Numerical Algorithms 42,3-4, 2006, pp. 325-334

 <https://doi.org/10.1007/s11075-006-9031-9>

Cvetković Ljiljana, Takači Đurđica, On matrices with operator entries, Numerical Algorithms 42,3-4, 2006, pp. 335-344

 <https://doi.org/10.1007/s11075-006-9049-z>

Cvetković Ljiljana, H-matrix theory vs. eigenvalue localization, Numerical Algorithms 42,3-4, 2006, pp. 229-245

 <https://doi.org/10.1007/s11075-006-9029-3>

Cvetković Ljiljana, Obrovski Jadranka, Some convergence results of PD relaxation methods, Applied Mathematics and Computation 107,2-3, 2000, pp. 103-112

 [https://doi.org/10.1016/S0096-3003(98)10058-9](https://doi.org/10.1016/S0096-3003%2898%2910058-9)

Cvetković Ljiljana, Two-sweep iterative methods, Nonlinear Analysis: Theory Methods and Applications 30,1, 1997, pp. 25-30

 [https://doi.org/10.1016/S0362-546X(97)00002-3](https://doi.org/10.1016/S0362-546X%2897%2900002-3)

Cvetković Ljiljana, Krejić Nataša, USSOR method for the SDD matrices, Zeitschrift fur Angewandte Mathematik und Mechanik/ZAMM 74, 1994, pp. 671-673

 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/zamm.19940740607>

Herceg Dragoslav, Cvetković Ljiljana, On some subclasses of H-matrices, Zeitschrift fur Angewandte Mathematik und Mechanik/ZAMM 71, 1991, pp. 815-816

 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/zamm.19910710607>

Cvetković Ljiljana, Herceg Dragoslav, Relaxation methods for singular M- matrices, Zeitschrift fur Angewandte Mathematik und Mechanik/ZAMM 70, 1990, pp. 552-553

 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/zamm.19900700603>

Cvetković Ljiljana, Herceg Dragoslav, Convergence theory for AOR method, Journal of Computational Mathematics 8, 1990, pp. 128-134

 <https://www.researchgate.net/publication/268849709_Convergence_theory_for_AOR_method>

Petković Miodrag, Cvetković Ljiljana, A hybrid method for a polynomial complex zero, Computers and Mathematics with Applications 21,2-3, 1990, pp. 181-186

 <http://miodragpetkovic.com/publikacije/on-a-hybrid-method-for-a-polynomial-complex-zero/>

Cvetković Ljiljana, Herceg Dragoslav, A modification of the overrelaxation method, Zeitschrift fur Angewandte Mathematik und Mechanik/ZAMM 69, 1989, pp. 187-188

 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/zamm.19890690405>

Herceg Dragoslav, Cvetković Ljiljana, On the extrapolation method and USA algorithm, Journal of Economic Dynamics and Control 13, 1989, pp. 301-311

 [https://doi.org/10.1016/0165-1889(89)90024-9](https://doi.org/10.1016/0165-1889%2889%2990024-9)

Cvetković Ljiljana, Herceg Dragoslav, Nonlinear AOR method, Zeitschrift fur Angewandte Mathematik und Mechanik/ZAMM 68, 1988, pp. 486-487

 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/zamm.19880680506>