

PERSONAL DATA

Name: Vladimir R. Kostić
Date of Birth: 6th January, 1980
Place of Birth: Loznica, Serbia
Nationality: Serbian



CONTACT INFORMATION

Work Address: Computational Statistics & Machine Learning
Center for Human Technologies
Italian Institute of Technology
Via Enrico Melen 83, 16152 Genova, Italy
Telephone: +(39) 351 840 7953,
E-mail: vladimir.kostic@iit.it, vkostic@dmf.uns.ac.rs,
vladimir.slk@gmail.com

LANGUAGE SKILLS

Serbian (native speaker), English (advanced C2),
Italian (independent B1), French (beginner A2)

PROGRAMMING SKILLS

MATLAB, Python, R

EDUCATION

2010 Ph.D. in Numerical Mathematics, Faculty of Science,
University of Novi Sad, Serbia
2009 M.Sc. in Numerical Mathematics, Faculty of Science,
University of Novi Sad, Serbia
2003 B.Sc. in Applied Mathematics, Faculty of Science, University of Novi Sad, Serbia

TEACHING AND RESEARCH POSITIONS

09/2023 – present Researcher in Machine Learning and Statistical Computing, Italian Institute of
Technology, Genova, Italy
02/2020 – 08/2023 Post-doctoral Researcher in Machine Learning and Statistical Computing, Ital-
ian Institute of Technology, Genova, Italy
01/2016 – present Associate Professor in Numerical Linear Algebra, University of Novi Sad, Serbia
01/2011 – 01/2016 Assistant Professor in Numerical Linear Algebra, University of Novi Sad, Serbia
06/2013 – 02/2014 Post-doctoral Researcher in Numerical Mathematics, Fellow of IMU Berlin Ein-
stein Foundation Program, Technical University Berlin, Germany
09/2004 – 12/2010 Teaching Assistant, University of Novi Sad, Serbia

COURSES TAUGHT

Numerical Linear Algebra 1 & 2
(MSc in Data Science and Applied Mathematics)
Modeling of Dynamical Systems (BSc in Applied Mathematics)
Scientific Computing (PhD in Mathematics)
Software for Data Analysis (BSc in Biology and Ecology)
Mathematical and Statistical Methods in Biological Research
(PhD in Biology and Ecology)

MENTORSHIP OF PHD THESES

| | |
|-----------|--|
| 2024– | Ilja Uzelac Bujišić (co-supervisor) Faculty of Technical Sciences, University of Novi Sad, Serbia |
| 2024– | Alek Fröhlich (co-supervisor) at Italian Institute of Technology, Genova, Italy |
| 2024– | Erfan Mirzaei (co-supervisor) at Italian Institute of Technology, Genova, Italy |
| 2013–2020 | Srdjan Milićević, PhD theses <i>Algorithms for computing the optimal Geršgorin-type localizations</i> at Faculty of Technical Sciences, University of Novi Sad, Serbia |
| 2013–2018 | Dragana Gardašević, PhD theses <i>Geršgorin-type localizations for Nonlinear Eigenvalue Problems</i> at Faculty of Technical Sciences, University of Novi Sad, Serbia |
| 2014–2017 | Dragana Cvetković, PhD theses <i>New stability indicators for the empirical food webs</i> at Faculty of Technical Sciences, University of Novi Sad, Serbia |

HONORS AND AWARDS

| | |
|-------------|---|
| 2013 | BMS Einstein Foundation Fellowship at the Technical University of Berlin |
| 2007 | 1st Young Scientists Award, MATTRIAD 2007 Conference, Będlewo, Poland |
| 2004 | The Best Student of the University of Novi Sad Award, Serbia |
| 2004 | The Honor Mileva Maric-Einstein of the University of Novi Sad |
| 2003 | Fellowship of the Fund of the Royal House of Karađorđević |
| 2002 | Award of High Academic Achievements by the Embassy of the Kingdom of Norway |
| 2001 – 2003 | The Annual University Honors, University of Novi Sad |

INVITED LECTURES AND CONFERENCES

Since 2004 participated in over 40 international scientific conferences, organized 6 international scientific conferences and had 13 invited scientific talks worldwide.

INVITED LECTURES

| | |
|----------------|---|
| December 2022 | by Karim Lounici, École Polytechnique, Paris, France |
| May 2018 | by Zoran Tomljanović, University of Osijek, Croatia, |
| September 2017 | by Agnieszka Miedlar, Kansas University, USA, |
| September 2015 | by Juan Manuel Pena, Univeristy of Zaragoza, Zaragoza, Spain |
| August 2015 | by Yuji Nakatsukasa, Univeristy of Tokyo, Tokyo, Japan |
| December 2014 | by Daniel Kressner, Ecole Polytechnique Federale de Lausanne, Switzerland |
| February 2014 | by Volker Mehrmann, Technical University, Berlin, Germany |
| November 2013 | by Peter Benner, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg, Germany |
| March 2009 | by Jaroslav Zemánek, Banach Center, Warszawa, Poland |

INVITED CONFERENCE TALKS

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| December 15, 2024 | Workshop on Data-driven modelling, analysis, and control using the Koopman operator, 2024 Conference on Decision and Control, Milano, Italy |
| September 25-28, 2023 | Minisymposium on Data-driven dynamical systems, DMV, Ilmenau, Germany |
| June 17-23, 2023 | New trends in statistical learning, Porquerolles, France |
| October 25-28, 2022 | MML, Bilbao, Spain |
| October 19-23, 2019 | NASC19, Nanjing, China, |
| July 18-22, 2016 | Minisymposium at 7ECM, Berlin, Germany, |
| August 10-14, 2015 | Minisymposium ICIAM 2015, Beijing, China, |
| March 23-27, 2009 | Conference MATTRIAD 2009 Conference, Będlewo, Poland |
| May 24-28, 2010 | Conference Applied Linear Algebra in Honor of Hans Schneider, Novi Sad, Serbia |
| July 18-22, 2011 | Minisymposium MS380 at ICIAM 2011, Vancouver, BC, Canada |

SHORT-TERM RESEARCH PROJECTS

01/2015 Matrix nearness problems for general Lyapunov-Type stability domains and their applications, "Research in Pairs" (RiP) at Mathematisches Forschungsinstitut Oberwolfach (MFO), Oberwolfach, Germany

HEAD OF RESEARCH PROJECTS

2009 – 2015 Multilateral Cooperation in Numerical Linear Algebra
Department of Mathematics, University of Ioannina, Greece,
Faculty of Mathematics, Mechanics and Computer Science, Southern Federal University Rostov-on-Don, Russia,
Department of Mathematics and Informatics, University of Novi Sad, Serbia.
Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

PARTICIPATION IN RESEARCH PROJECTS

2011 – present Numerical Linear Algebra and Discrete Structures,
Grant No. 174019, Ministry of Science and Technological Development of the Republic of Serbia

2011 – 2015 Applied Linear and Combinatorial Algebra,
Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

2008 – 2012 Multilateral Cooperation in Numerical Linear Algebra,
The Institute for Computational Mathematics, Kent State University, USA, Department of Mathematics, University of Ioannina, Greece, Department of Mathematics and Informatics, University of Novi Sad, Serbia. Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

2007 – 2012 Multilateral Cooperation in Applied Linear Algebra,
Instituto de Matematica Multidisciplinar, Universidad Politecnica de Valencia, Spain, Faculty of Mathematics and Computer Science, Adam Mickiewicz University, Poland, Department of Mathematics and Informatics, University of Novi Sad, Serbia. Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

2006 – 2010 Numerical Linear Algebra, Stochastic and Statistics with Applications,
Grant No. 144025 of the Ministry of Science and Technological Development of the Republic of Serbia

2006 – 2007 Bilateral Cooperation in Numerical Linear Algebra
Instituto de Matematica Multidisciplinar, Universidad Politecnica de Valencia, Spain, Department of Mathematics and Informatics, University of Novi Sad, Serbia. Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

2005 – 2010 Tools of Linear and General Algebra in Computer Science,
Grant of the Secretariat of Science and Technological Development of the Autonomous Province of Vojvodina

CONFERENCE ORGANIZATION

| | |
|------------------------|--|
| July 3–5, 2025 | Scientific and Organizing Committee, Applied Linear Algebra 2025 in honor of Zhong-Zhi Bai, Novi Sad, Serbia, |
| June 30 – July 2, 2025 | Organizing Committee, 11th International Conference on Matrix Analysis and its Applications, Novi Sad, SERBIA |
| September 16–20, 2013 | Secretary of the Organizing Committee, MATTRIAD 2013 Conference, Herceg Novi, Montenegro |
| May 18–22, 2013 | Organizer of Minisimposia MA 2: Parameter depending matrix equations at 84th Annual Meeting of GAMM (The International Association of Applied Mathematics and Mechanics), Novi Sad, Serbia |
| May 18–22, 2013 | Secretary of the Local Organizing Team, 84th Annual Meeting of GAMM (The International Association of Applied Mathematics and Mechanics), Novi Sad, Serbia |
| May 24–28, 2010 | Secretary of the Organizing Committee, Applied Linear Algebra in honor of Hans Schneider, Novi Sad, Serbia |
| April 28–30, 2008 | Secretary of the Organizing Committee, Applied Linear Algebra in honor of Ivo Marek, Novi Sad, Serbia |
| October 13–15, 2005 | Secretary of the Organizing Committee, Applied Linear Algebra in honor of Richard Varga, Palić, Serbia and Montenegro |

EDITORSHIP

| | |
|-------------------|--|
| 06/2014 – 01/2017 | Newsletter of the European Mathematical Society, ISSN 1027-488X |
| 12/2013 | PAMM, Wiley VCH, Online ISSN: 1617–7061 Special Issue: 84th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Novi Sad 2013 |

REVIEWER

Proceedings of Machine Learning Research
SIAM Journal on Optimization (SIOPT)
SIAM Journal on Matrix Analysis and Applications (SIMAX)
SIAM Journal on Mathematics of Data Science (SIMODS)
Numerical Linear Algebra and Applications (NLAA)
Linear Algebra and Applications (LAA)
Electronic Transactions of Numerical Analysis (ETNA)
Electronic Journal of Linear Algebra (ELA)
Numerical Algorithms (NA)
Applied Mathematics and Computation (AMC)
Journal of Computational and Applied Mathematics (JCAM)
Central European Journal of Mathematics (CEJM)
Journal of Inequalities and Applications
International Journal of Computer Mathematics

MEMBERSHIP IN PHD THESES DEFENSE BOARDS:

| | |
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| 2019 | Giulia Denevi, <i>Efficient Lifelong Learning Algorithms: Regret Bounds and Statistical Guarantees</i> at University of Genova, Italy |
| 2019 | Abear Saeed Aboghlida Saeed, <i>Convergence analysis of modulus based methods for linear complementarity</i> at Faculty of Science, University of Novi Sad, Serbia |
| 2017 | Nemanja Božović, <i>Deflation Based Krylov Subspace Methods for Sequences of Linear Systems</i> at Univeristy of Wuppertal, Germany |
| 2016 | Maja Nedović, <i>The Schur complement and H-matrix theory</i> at Faculty of Technical Sciences, University of Novi Sad, Serbia |
| 2014 | Ksenija Doroslovački, <i>Generalized diagonal dominance for block matrices and its applications</i> at Faculty of Technical Sciences, University of Novi Sad, Serbia |

OTHER NGO ACTIVITIES

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| 03/2018 –11/2018 | Trainer of Qualification course "Building Peace from the inside out" with Berghof Foundation, Tubingen and Relief International in Azraq and Zaatari Refugee Camps in Jordan |
| 06/2018 | Trainer of Qualification course "Conflict sensitive communication in work with migrants" with International Organization for Migration for workers in Commissariat for Refugees of Republic of Serbia |
| 03/2017 –09/2017 | Trainer of ToT "Building Peace from the inside out" with Berghof Foundation, Tubingen and Relief International in Azraq and Zaatari Refugee Camps in Jordan |
| 05/2017 –06/2017 | Trainer of "Coaching for Managers" in Coca-Cola Company, Belgrade, Serbia, with Unique Ideas, Belgrade, Serbia |
| 10/2016 –11/2016 | Trainer of Qualification course "Building Peace from within" with Berghof Foundation, Tubingen and Relief International in Azraq and Zaatary Refugee Camps in Jordan, |
| 10/2014 – 06/2019 | Consultant and Trainer for Berghof Foundation, Germany, Project Nonviolent and Civic Education in Jordan |

SELECTED PUBLICATIONS

Published 40 scientific papers in top journals on SCI list and 17 papers in conference proceedings.

- **V. Kostić**, K. Lounici, H. Halconruy, T. Devergne and M. Pontil. *Learning the Infinitesimal Generator of Stochastic Diffusion Processes*. Advances in Neural Information Processing Systems 37 (NeurIPS2024)
- T. Devergne, **V. Kostić**, M. Parrinello and M. ontil. *From Biased to Unbiased Dynamics: An Infinitesimal Generator Approach..* Advances in Neural Information Processing Systems 37 (NeurIPS2024)
- **V. Kostić**, K. Lounici, G. Paireau, P. Novelli, G. Turri and M. Pontil *Neural Conditional Probability for Inference*. Advances in Neural Information Processing Systems 37 (NeurIPS2024)
- **Kostić, V.**, Inzerili, P., Lounici, K., Novelli, P. and Pontil, M. *Consistent Long-Term Forecasting of Ergodic Dynamical Systems*. In 41st International Conference on Machine Learning.(ICML) (2024)
- **Kostic, V.R.**, Novelli, P., Grazi, R. and Lounici, K., *Learning invariant representations of time-homogeneous stochastic dynamical systems*. In The Twelfth International Conference on Learning Representations (ICLR) (2024)
- **V. Kostić**, K. Lounici, P. Novelli and M. Pontil, *Sharp Spectral Rates for Koopman Operator Learning*, Advances in Neural Information Processing Systems 36 (NeurIPS2023 spotlight) (2023)
- **V. Kostić**, P. Novelli, A. Maurer, C. Ciliberto, L. Rosasco and M. Pontil, *Learning Dynamical Systems via Koopman Operator Regression in Reproducing Kernel Hilbert Spaces*, Advances in Neural Information Processing Systems 35 (NeurIPS2022) (2022)
- **V. Kostić** and S. Salzo, *The method of randomized Bregman projections for stochastic feasibility problems*. Numerical Algorithms 93 (3), pp. 1269–1307 (2022)
- **V. Kostić**, L. Cvetković, E. Šanca, *From pseudospectra of diagonal blocks to pseudospectrum of a full matrix*, Journal of Computational and Applied Mathematics, Vol 386, online 113265 (2020)
- **V. Kostić** and D. Gardašević: *On the Gersgorin-type localizations for nonlinear eigenvalue problems*, Applied Mathematics and Computation, Vol. 337, No 1, pp. 179–189, (2018)
- **V. Kostić**, Lj. Cvetković and D. Lj. Cvetković, *Pseudospectra localizations and their applications* , Numerical Linear Algebra with Applications 23 (2), pp. 356–372 (2016)
- **V. Kostić**, *On general principles of eigenvalue localizations via diagonal dominance*, Advances in Computational Mathematics No. 41, pp. 55–75 (2015)
- Lj. Cvetković, **V. Kostić** and R. S. Varga, *A new Geršgorin-type eigenvalue inclusion set*, ETNA Elec. Trans. on Numer. Anal., No. 18, pp. 73– 80 (2004).

On December 27, 2024 according to Google Scholar publications have **1170 citatons** (663 since 2019), **h-index is 20** (13 since 2019) and **i10-index is 26** (14 since 2019).

BOOKS & MONOGRAPHS

1. Cvetković, Lj. and V. Kostić, *Collection of Solved problems in Numerical Linear Algebra* (in serbian), University of Technical Sciences, University of Novi Sad, Serbia (2015)
2. Lj. Cvetković, Bjelica, D., V. Kostić, and Kovačević, M., *Matrično-verovatnosni modeli u sportu*, Crnogorska Sportska Akademija, Podgorica (2005)

JOURNAL PUBLICATIONS

1. D. Ordoñez-Apraez, G. Turrisi, V.R. Kostic, M. Martin, A. Agudo, F. Moreno-Noguer, M. Pontil, C. Semini and C. Mastalli (2025) Morphological Symmetries in Robotics. (to appear in The International Journal of Robotics Research)
2. T. Devergne, T., V. R. Kostic, M. Pontil and M. Parrinello (2024). Slow dynamical modes from static averages. (submitted to The Journal of Chemical Physics)
3. V. Kostić and S. Salzo, *The method of randomized Bregman projections for stochastic feasibility problems*. Numerical Algorithms 93 (3), pp. 1269–1307 (2022)
4. V. Kostić, L. Cvetković, E. Šanca, *From pseudospectra of diagonal blocks to pseudospectrum of a full matrix*, Journal of Computational and Applied Mathematics, Vol 386, online 113265 (2020)
5. S. Milićević, V. Kostić, Lj. Cvetković and A. Międlar, *An implicit algorithm for computing the minimal Geršgorin set*, Filomat, Vol. 33, No 13, pp. 4229–4238, (2019)
6. V. Kostić., D. Gardašević, *On the Geršgorin-type localizations for nonlinear eigenvalue problems*, Applied Mathematics and Computation, Vol. 337, No 1, pp. 179–189, (2018)
7. Lj. Cvetković, V. Kostić, E. Šanca, *Fractional pseudospectra and their localizations*, Linear Algebra and Its Applications, No. 559, pp. 244–269, (2018)
8. Lj. Cvetković, V. Kostić, E. Šanca, A. Saed, *Error Control Based on the Novel Proof of Convergence of the MSMAOR Methods for the LCP*, East Asian Journal on Applied Mathematics, Vol. 8, No. 2, pp. 352–364 (2018)
9. V. Kostić and Lj. Cvetković, *On the inertia of the block H -matrices*, Numerical Linear Algebra and its Applications No. 24(5), pp. e2101 (2017)
10. D. Mihailović, V. Kostić, I. Balaž and D. Kapor, *Computing the threshold of the influence of intercellular nanotubes on cell-to-cell communication integrity*, Chaos, Solitons & Fractals No. 91, pp. 174–179 (2016)
11. V. Kostić, Lj. Cvetković, K. Doroslovački and D. Cvetković, *Euclidean norm estimates of the inverse of some special block matrices*, Applied Mathematics and Computation No. 284, pp. 12–23 (2016)

12. V. Kostić, A. Międlar and Lj. Cvetković, *An algorithm for computing minimal Geršgorin sets*, Numerical Linear Algebra and its Applications no. 23(2), pp. 272–290 (2016)
13. V. Kostić, Lj. Cvetković and D. Cvetković, *Pseudospectra localizations and their applications* Numerical Linear Algebra and its Applications no. 23(2), pp. 356–372 (2016)
14. V. Kostić, Lj. Cvetković and D. Cvetković, *Improved stability indicators for empirical food webs*, Ecological modelling No. 320, pp. 1–8 (2016)
15. Lj. Cvetković, V. Kostić and E. Šanca, *A wider convergence area for the MSTMAOR iteration methods for LCP*, Numerical Algorithms No. 71 (1), pp. 77–88 (2016)
16. D. Mihailović, V. Kostić, G. Mimić and Lj. Cvetković, *Stability analysis of turbulent heat exchange over the heterogeneous environmental interface in climate models*, Applied Mathematics and Applications No. 265, pp. 79–90 (2015)
17. V. Kostić, A. Międlar and J. Stolwijk, *On matrix nearness problems: distance to delocalization*, SIAM. J. Matrix Anal. & Appl., No. 36(2), pp. 435–460 (2015)
18. V. Kostić, *On general principles of eigenvalue localizations via diagonal dominance*, Advances in Computational Mathematics No. 41, pp. 55–75 (2015)
19. Lj. Cvetković, V. Kostić and M. Nedović, *Generalizations of Nekrasov matrices and applications*, Open Mathematics No. 13(1), DOI: 10.1515/math-2015-0012 (2015)
20. J. Aleksić, V. Kostić and M. Žigić, *Spectrum localizations for matrix operators on l^p spaces*, Applied Mathematics and Computation No. 249, pp. 541–553 (2014).
21. Lj. Cvetković, A. Hadjidimos and V. Kostić, *On the choice of parameters in MAOR type splitting methods for the linear complementarity problem*, Numer. Algorithms No. 67(4), pp. 793–806 (2014).
22. D. T. Mihailović, V. Kostić, I. Balaž and Lj. Cvetković, *Complexity and asymptotic stability in the process of biochemical substance exchange in a coupled ring of cells*, Chaos Fractals and Solitons, No. 65, pp. 30–43 (2014).
23. Lj. Cvetković and V. Kostić, *A note on the convergence of the MSMAOR method for linear complementarity problems*, Numer. Lin. Alg. Appl., No. 9 (4), pp. 534–539 (2014).
24. Lj. Cvetković, V. Kostić and K. Doroslovački, *Max-norm bounds for the inverse of S-Nekrasov matrices*, Appl. Math. Comput., No. 218 (18), pp. 9498–9503 (2012).
25. Lj. Cvetković and V. Kostić, *Application of Generalized Diagonal Dominance in Wireless Sensor Network Optimization Problems*, Appl. Math. Comput. No. 218, pp. 4798–4805 (2012).
26. V. Kostić, R. S. Varga and Lj. Cvetković, *Localization of Generalized Eigenvalues by Cartesian Ovals*. Numer, Linear Algebra Appl., No. 19 (4), pp. 728–741 (2012).

27. Lj. Cvetković, V. Kostić and J. M. Pena, *Eigenvalue localization refinements related to positivity*, SIAM J. Matrix Anal. Appl., No. 32 (3), pp. 771–784 (2011).
28. Lj. Cvetković, R. Bru, V. Kostić, and F. Pedroche, *A simple generalization of Geršgorin's theorem*, Adv. Comput. Math., No. 35, pp. 271–280 (2011).
29. R. Bru, Lj. Cvetković, V. Kostić and F. Pedroche, *Characterization of α_1 and α_2 matrices*, Cent. Eur. J. Math., No. 8 (1), pp. 32–40 (2010).
30. R. Bru, Lj. Cvetković, V. Kostić, and F. Pedroche, *Sums of Σ -strictly diagonally dominant matrices*, Linear and Multilinear Algebra, No. 58 (1), pp. 75–78 (2010).
31. V. Kostić, Lj. Cvetković and R. S. Varga, *Geršgorin-type localizations of generalized eigenvalues*, Numer. Linear Algebra Appl., No. 16 (11-12), pp. 883–898 (2009).
32. Lj. Cvetković, V. Kostić and S. Rauški, *A new subclass of H-matrices*, Appl. Math. Comput., No. 208, pp. 206–210 (2009).
33. R. S. Varga, Lj. Cvetković and V. Kostić, *Approximation of the minimal Geršgorin set of a square complex matrix*, ETNA Elec. Trans. on Numer. Anal., No. 30, pp. 398–405 (2008).
34. Lj. Cvetković, V. Kostić, M. Kovačević and T. Szulc, *Further results on H-matrices and their Schur complements*, Appl. Math. Comput., No. 198(2), pp. 506–510 (2008).
35. Lj. Cvetković and V. Kostić, *A note on the convergence of the AOR method*, Appl. Math. Comput. No. 194(2), pp. 394–399.
36. Lj. Cvetković and V. Kostić, *New subclasses of block H-matrices with applications to parallel decomposition-type relaxation methods*, Numer. Algorithms, No. 42 (3-4), pp. 325–334 (2006).
37. Lj. Cvetković and V. Kostić, *Between Geršgorin and minimal Geršgorin sets*, J. Comput. Appl. Math., No. 196 (2), pp. 452–458. (2005).
38. Lj. Cvetković and V. Kostić, *New criteria for identifying H-matrices*, J. Comput. Appl. Math., No. 180 (2), 265–278 (2005).
39. Lj. Cvetković, V. Kostić, and R. S. Varga, *A new Geršgorin-type eigenvalue inclusion set*, ETNA Elec. Trans. on Numer. Anal., No. 18, pp. 73–80 (2004).
40. Lj. Cvetković, V. Kostić and M. Kovačević, *On Geršgorin-type eigenvalue inclusion theorems*, Bull. Appl. Math., No. 2018 (C), pp. 351–358 (2003)

PROCEEDINGS PUBLICATIONS

1. Kostić, V. R., Lounici, K., Halconruy, H., Devergne, T., and Pontil, M. *Learning the Infinitesimal Generator of Stochastic Diffusion Processes*. Advances in Neural Information Processing Systems 37 (NeurIPS2024)
2. Devergne, T., Kostić, V. R., Parrinello, M. and Pontil, M. *From Biased to Unbiased Dynamics: An Infinitesimal Generator Approach..* Advances in Neural Information Processing Systems 37 (NeurIPS2024)
3. Kostić, V. R., Lounici, K., Pacreau, G., Novelli, P., Turri, G., and Pontil, M. *Neural Conditional Probability for Inference*. Advances in Neural Information Processing Systems 37 (NeurIPS2024)
4. Kostić, V., Inzerili, P., Lounici, K., Novelli, P. and Pontil, M. *Consistent Long-Term Forecasting of Ergodic Dynamical Systems*. In 41st International Conference on Machine Learning.(ICML) (2024)
5. Kostić, V.R., Novelli, P., Grazi, R. and Lounici, K., *Learning invariant representations of time-homogeneous stochastic dynamical systems*. In The Twelfth International Conference on Learning Representations (ICLR) (2024)
6. Ordoñez-Apaez, D., Kostić, V. R., Turrisi, G., Novelli, P., Mastalli, C., Semini, C., and Pontil, M. *Dynamics harmonic analysis of robotic systems: Application in data-driven koopman modelling*. In 6th Annual Learning for Dynamics & Control Conference (PMLR)
7. V. Kostić, K. Lounici, P. Novelli and M. Pontil, *Sharp Spectral Rates for Koopman Operator Learning*, Advances in Neural Information Processing Systems 36 (NeurIPS2023 spotlight) (2023)
8. G. Meanti, A. Chatalic, V. Kostić, P. Novelli, M. Pontil and L. Rosasco, *Estimating Koopman operators with sketching to provably learn large scale dynamical systems*, Advances in Neural Information Processing Systems 36 (NeurIPS2023) (2023)
9. V.R. Kostić, P. Novelli, A. Maurer, C. Ciliberto, L. Rosasco and M. Pontil, *Learning Dynamical Systems via Koopman Operator Regression in Reproducing Kernel Hilbert Spaces*, Advances in Neural Information Processing Systems 35 (NeurIPS2022) (2022)
10. V. R. Kostić, S. Salzo and M. Pontil, *Batch Greenhorn Algorithm for Entropic-Regularized Multi-marginal Optimal Transport: Linear Rate of Convergence and Iteration Complexity*, Proceedings of the 39 th International Conference on Machine Learning (ICML2022), 11529-11558 (2022)
11. D. Lj. Cvetković, Lj. Cvetković and V. R. Kostić *New pseudospectra localizations with application in ecology and vibration analysis*, 2019 IEEE 9th Annual Computing and Communication Workshop and Conference (CCWC), pp. 0201–0205 (2019).
12. V. Kostić and E. Šanca, *Diagonal scaling of a special type and its benefits*, PAMM Proceedings in Applied Mathematics and Mechanics, No. 13, pp. 409 – 410 (2013).
13. Lj. Cvetković, V. Kostić and Dj. Šolak, *How to improve upper bound for the Perron root*, CNAAM 2005, Extended Abstracts, Wiley-VCH, 141– 143 (2005).
14. Lj. Cvetković and V. Kostić *A new eigenvalue localization theorem via graph theory*, PAMM Proceedings in Applied Mathematics and Mechanics, No. 5, pp. 787 – 788 (2005).
15. Lj. Cvetković and V. Kostić *More about Geršgorin-type theorems*, PAMM Proceedings in Applied Mathematics and Mechanics, No. 4, pp. 662 – 663 (2004).

16. V. Kostić and Lj. Cvetković, *Iterative Method with the Preconditioner $(I + Smax)$ for H -matrices*, PAMM Proceedings in Applied Mathematics and Mechanics, No. 3, pp. 547 – 548 (2003).
17. Lj. Cvetković, V. Kostić and Kovačević M, *Relationship Between Geršgorin-type Theorems for Certain Subclasses of H -matrices*, PAMM Proceedings in Applied Mathematics and Mechanics, No. 3, pp. 545 – 546 (2003).

CONFERENCE TALKS

1. V. Kostić, S. Salzo, M. Pontil, *Linear Convergence of Batch Greenkhorn for Regularized Multimarginal Optimal Transport*, NeurIPS 2021 Workshop Optimal Transport and Machine Learning, Virtual-only, December 6-14, 2021
2. V. Kostić, *M-matrices as a Tool for Spectral and Pseudospectral Analysis*, NASC 2019, Nanjing, China, October 19–23, 2019
3. V. V. Kostić, *On pseudospectra localizations and their applications*, 7ECM 2016, Berlin, Germany, July 18–22, 2016.
4. V. Kostić, *Efficient computation of the minimal Geršgorin set*, ILAS 2016, Leuven, Belgium, July 11–15, 2016.
5. V. Kostić, *Matrix Nearness Problems for General Lyapunov-Type Stability Domains*, ICIAM 2015, Beijing, China, August 10–14, 2015.
6. V. Kostić, *Matrix Nearness Problems for General Lyapunov-Type Stability Domains*, SIAM LA 2015, Atlanta, Georgia, USA, June 26–30, 2015.
7. V. Kostić, *Generalized diagonal dominance in wireless sensor network optimization*, MSCx 2014, Salina, Sicily, Italy, June 09–13, 2014.
8. J. Aleksić, J., V. Kostić, M. Žigić, *Spectrum localizations for matrix operators on l^p spaces*, MAT-TRIAD 2013, Herceg Novi, Montenegro, September 16–20, 2013.
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