

Publikácie / Publications

Institute: SAVMATEM - Matematický ústav SAV
Year of publication 2016~2021

Statistics publication category

AAA	Scientific monographs published abroad	6
AAB	Scientific monographs published in Slovak publishing houses	2
ABC	Chapters in scientific monographs published abroad	5
ACB	Academic/university textbooks published in Slovak publishing houses	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	263
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ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	1
ADEA	Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)	1
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ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	34
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AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	8
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	1
AEMB	Abstracts of scientific papers published in foreign non-impacted journals registered in Web of Science Core Collection or Scopus	1
AFC	Published papers from foreign scientific conferences	8
AFG	Abstracts of papers from foreign conferences	3
AFH	Abstracts of papers from domestic conferences	1
BAB	Professional books published in Slovak publishing houses	1
BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	1
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EAI	Comprehensive overview book publications	1
EDJ	Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications	1
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	9
GHG	Works published on the internet	13
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	60
Count		612

AAA Scientific monographs published abroad

AAA01 BARTKOVÁ, Renáta - RIEČAN, Beloslav - TIRPÁKOVÁ, Anna. *Probability theory for fuzzy quantum spaces with statistical applications*. Sharjah, UAE : Bentham Science Publishers, 2017. 190 p. ISBN 978-1-68108-539-5

AAA02 FEČKAN, Michal - WANG, JinRong - POSPÍŠIL, Michal. *Fractional-order equations and inclusions*. Berlin : Walter de Gruyter, 2017. 366 p. Fractional Calculus in Applied Sciences and Engineering, vol. 3. ISBN 978-3-11-052138-2

AAA03 FEČKAN, Michal - POSPÍŠIL, Michal. *Poincaré-Andronov-Melnikov Analysis for Non-Smooth Systems*. Amsterdam : Elsevier, 2016. 244 p. ISBN 978-0-12-804294-6

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:283360

AAA04 HOLÁ, Ľubica - HOLÝ, Dušan - MOORS, Warren. *USCO and Quasicontinuous Mappings*. Berlin : Walter de Gruyter, 2021. 295 p. Studies in Mathematics, 81. Dostupné na: <https://doi.org/10.1515/9783110750188-201>. ISBN 978-3-11-075015-7

AAA05 MONTEIRO, Giselle Antunes - SLAVÍK, Antonín - TVRDÝ, Milan. *Kurzweil-Stieltjes Integral : theory and Applications*. New Jersey : World Scientific Publishing, 2019. 382 p. Series in Real Analysis, Vol. 15. ISBN 978-981-4641-77-7

AAA06 PAŠTÉKA, Milan. *Density and Related Topics*. Praha : Academia ; Bratislava : Veda, 2017. 238 p. ISBN 978-80-200-2725-2

AAB Scientific monographs published in Slovak publishing houses

AAB01 PAŠTÉKA, Milan. *Úvod do Galoisovej teórie*. Rec. Jaroslav Hančl, Ladislav Mišík. Bratislava : VEDA, vydavateľstvo SAV, 2021. 136 s. ISBN 978-80-224-1919-2

AAB02 STRAUCH, Oto. *Distribution of sequences: a theory*. Bratislava : Veda ; Praha : Academia, 2019. 591 p. Názov z internetu. ISBN 978-80-224-1734-1

ABC Chapters in scientific monographs published abroad

- ABC01 FEČKAN, Michal. A survey on the Melnikov theory for implicit ordinary differential equations with applications to RLC circuits. In *Mathematics Applies to Engineering, Modelling, and Social Issues : Studies in Systems, Decision and Control*. 200. - Cham : Springer, 2019, p. 121-160. ISBN 978-3-030-12231-7. ISSN 2198-4182.
- ABC02 FEČKAN, Michal. Note on periodic and asymptotically periodic solutions of fractional differential equations. In *Mathematics Applies to Engineering, Modelling, and Social Issues : studies in Systems, Decision and Control*. 200. - Cham : Springer, 2019, p. 153-185. ISBN 978-3-030-12231-7. ISSN 2198-4182. Dostupné na: https://doi.org/10.1007/978-3-319-99918-0_6
- ABC03 GFRERER, Christine - VAJTERŠIČ, Marián - KUTIL, Rade. Parallel algorithms to align multiple strings in the context of web data extraction. In *Emergent Computation*. - Springer International Publishing Switzerland, 2017, p. 525-578. ISBN 978-3-319-46375-9. ISSN 2194-7287. Dostupné na: https://doi.org/10.1007/978-3-319-46376-6_25
- ABC04 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Random noninstantaneous impulsive models for studying periodic evolution processes in pharmacotherapy. In *Mathematical Modeling and Applications in Nonlinear Dynamics*. - Springer, 2016, p. 87-107. ISBN 978-3-319-26628-2. Dostupné na: https://doi.org/10.1007/978-3-319-26630-5_4
- ABC05 WITKOVSKÝ, Viktor - WIMMER, Gejza*. Generalized polynomial comparative calibration: Parameter estimation and applications. In *Advances in Measurements and Instrumentation : Reviews, Vol. 1*. - International Frequency Sensor Association (IFSA) Publishing, 2018, p. 15-52. ISBN 978-84-09-07321-4.

ACB Academic/university textbooks published in Slovak publishing houses

- ACB01 PALENČÁR, R. - WIMMER, Gejza - PALENČÁR, J. - WITKOVSKÝ, Viktor. *Navrhovanie a vyhodnocovanie meraní* [Design and Evaluation of Measurements]. Recenzenti: M. Dovica, D. Janáčová, J. Markovič. 1. vydanie. Bratislava : Slovenská technická univerzita v Bratislave, 2021. 160 s. ISBN 978-80-227-5080-6

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

- ADCA01 ADAMS-FLOROU, Spiros - MACKO, Tibor*. L-homology on ball complexes and product. In *Homology, Homotopy and Applications*, 2018, vol. 20, no. 2, p. 11-40. (2017: 0.711 - IF, Q2 - JCR, 1.105 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1532-0073. Dostupné na: <https://doi.org/10.4310/HHA.2018.v20.n2.a2>
- ADCA02 AGAOGLOU, Makrina** - FEČKAN, Michal - POSPÍŠIL, Michal - ROTHOS, Vassilis M. - SUSANTO, H. Gain-loss-driven travelling waves in PT-symmetric nonlinear metamaterials. In *Wave Motion*, 2018, vol. 76, p. 9-18. (2017: 1.723 - IF, Q2 - JCR, 0.676 - SJR, Q2 - SJR, Current Contents - CCC). (2018

- Current Contents). ISSN 0165-2125. Dostupné na:
<https://doi.org/10.1016/j.wavemoti.2017.10.003>

ADCA03 AGAOGLOU, Makrina - FEČKAN, Michal - POSPÍŠIL, Michal - ROTHOS, Vassilis M. - SUSANTO, H. Travelling waves in nonlinear magneto-inductive lattices. In *Journal of differential equations*, 2016, vol. 260, no. 2, p. 1717-1746. (2015: 1.821 - IF, Q1 - JCR, 2.765 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-0396. Dostupné na:
<https://doi.org/10.1016/j.jde.2015.09.043>

ADCA04 AKHMET, Marat** - FEČKAN, Michal - FEN, Mehmet Onur - KASHKYNBAYEV, Ardak. Perturbed Li-Yorke homoclinic chaos. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2018, no. 75, p. 1-18. (2017: 0.881 - IF, Q2 - JCR, 0.492 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1417-3875. Dostupné na:
<https://doi.org/10.14232/ejqtde.2018.1.75>

ADCA05 AUBRUN, Guillaume - LAMI, Ludovico - PALAZUELOS, Carlos - PLÁVALA, Martin. Entangleability of Cones. In *Geometric and functional analysis*, 2021, vol. 31, no. 1, p. 1-25. (2020: 2.148 - IF, Q1 - JCR, 3.952 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1016-443X. Dostupné na: <https://doi.org/10.1007/s00039-021-00565-5>

ADCA06 BABAJANOV, Bazar - FEČKAN, Michal - URAZBOEV, Gayrat. On the periodic Toda lattice hierarchy with an integral source. In *Communications in nonlinear science and numerical simulation*, 2017, vol. 52, p. 110-123. (2016: 2.784 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1007-5704. Dostupné na:
<https://doi.org/10.1016/j.cnsns.2017.04.023>

ADCA07 BALAMOHAN, Balasingham - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Exploring an unknown dangerous graph with a constant number of tokens. In *Theoretical Computer Science*, 2016, vol. 610, p. 169-181. (2015: 0.643 - IF, Q3 - JCR, 0.592 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0304-3975. Dostupné na:
<https://doi.org/10.1016/j.tcs.2014.07.013>

ADCA08 BATTELLI, Flaviano - FEČKAN, Michal. Blue sky-like catastrophe for reversible nonlinear implicit odes. In *Discrete and Continuous Dynamical Systems - Series S*, 2016, vol. 9, no. 4, p. 895-922. (2015: 0.737 - IF, Q3 - JCR, 0.744 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1937-1632. Dostupné na: <https://doi.org/10.3934/dcdss.2016034>

ADCA09 BATTELLI, Flaviano - FEČKAN, Michal. On the existence of solutions connecting IK singularities and impasse points in fully nonlinear RLC circuits. In *Discrete and Continuous Dynamical Systems - Series B*, 2017, vol. 22, no. 8, p. 3043-3061. (2016: 0.994 - IF, Q2 - JCR, 0.986 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1531-3492. Dostupné na:
<https://doi.org/10.3934/dcdsb.2017162>

- ADCA10 BATTELLI, Flaviano - FEČKAN, Michal**. On the exponents of exponential dichotomies. In *Mathematics*, 2020, vol. 8, no. 651, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math8040651>
- ADCA11 BATTELLI, Flaviano - FEČKAN, Michal**. On the Poincare-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations. In *Journal of differential equations*, 2020, vol. 268, p. 3725-3748. (2019: 2.192 - IF, Q1 - JCR, 2.283 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-0396. Dostupné na: <https://doi.org/10.1016/j.jde.2019.10.014>
- ADCA12 BATTELLI, Flaviano - FEČKAN, Michal**. Periodic Solutions in Slowly Varying Discontinuous Differential Equations: The Generic Case. In *Mathematics*, 2021, vol. 9, no. 19, art. no. 2449, p. 1-21. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9192449>
- ADCA13 BOKES, Pavol** - SINGH, Abhyudai. A modified fluctuation test for elucidating drug resistance in microbial and cancer cells. In *European Journal of Control*, 2021, vol. 62, p. 130-135. (2020: 2.395 - IF, Q3 - JCR, 0.884 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0947-3580. Dostupné na: <https://doi.org/10.1016/j.ejcon.2021.06.018>
- ADCA14 BOKES, Pavol. Heavy-tailed distributions in a stochastic gene autoregulation model. In *Journal of Statistical Mechanics-theory and experiment*, 2021, vol. 2021, no. 11, art. nr. 113403. (2020: 2.231 - IF, Q2 - JCR, 0.428 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1742-5468. Dostupné na: <https://doi.org/10.1088/1742-5468/ac2edb>
- ADCA15 BORZOOEI, R.A.** - DVUREČENSKIJ, Anatolij - SHARAFI, A.H. Generalized EMV-effect algebras. In *International Journal of Theoretical Physics*, 2018, vol. 57, no. 8, p. 2267-2279. (2017: 0.968 - IF, Q3 - JCR, 0.285 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-018-3750-2>
- ADCA16 BORZOOEI, R.A.** - DVUREČENSKIJ, Anatolij - SHARAFI, A.H. Material implications in lattice effect algebras. In *Information Sciences*, 2018, vol. 433-434, p. 233-240. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2017.12.049>
- ADCA17 BOTUR, Michal - DVUREČENSKIJ, Anatolij*. Kites and residuated lattices. In *Algebra Universalis*, 2018, vol. 79, no. 4, art. no. 83, [26] p. (2017: 0.608 - IF, Q3 - JCR, 0.583 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0002-5240. Dostupné na: <https://doi.org/10.1007/s00012-018-0564-2>
- ADCA18 BOTUR, Michal** - HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. On generating of idempotent aggregation functions on finite lattices. In *Information Sciences*, 2018, vol. 430-431, p. 39-45. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1

- SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0020-0255.
Dostupné na: <https://doi.org/10.1016/j.ins.2017.11.031>

- ADCA19 BOTUR, M. - DVUREČENSKIJ, Anatolij. On pseudo-BL-algebras and pseudo-hoops with normal maximal filters. In *Soft Computing*, 2016, vol. 20, no.2, p. 439-448. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-015-1793-3>
- ADCA20 CAO, Xiaokai - FEČKAN, Michal - SHEN, D. - WANG, JinRong. Iterative learning control for multi-agent systems with impulsive consensus tracking. In *Nonlinear Analysis : Modelling and Control*, 2021, vol. 26, no. 1, p. 130-150. (2020: 3.257 - IF, Q1 - JCR, 0.734 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1392-5113. Dostupné na: <https://doi.org/10.15388/namc.2021.26.20981>
- ADCA21 CARBONE, Raffaella - JENČOVÁ, Anna. On period, cycles and fixed points of a quantum channel. In *Annales Henri Poincare*, 2020, vol. 21, p. 155-188. (2019: 1.489 - IF, Q2 - JCR, 1.214 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1424-0637. Dostupné na: <https://doi.org/10.1007/s00023-019-00861-9>
- ADCA22 CONDER, Marston - DU, Shaofei - NEDELA, Roman - ŠKOVIERA, Martin. Regular maps with nilpotent automorphism group. In *Journal of Algebraic Combinatorics*, 2016, vol. 44, no. 4, p. 863-874. (2015: 0.874 - IF, Q1 - JCR, 1.225 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0925-9899. Dostupné na: <https://doi.org/10.1007/s10801-016-0692-8>
- ADCA23 CZYZOWICZ, Jurek - DOBREV, Stefan - GEORGIOU, Konstantinos** - KRANAKIS, E. - MACQUARRIE, Fraser. Evacuating two robots from multiple unknown exits in a circle. In *Theoretical Computer Science*, 2018, vol. 709, p. 20-30. (2017: 0.772 - IF, Q3 - JCR, 0.488 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2016.11.019>
- ADCA24 CZYZOWICZ, Jurek - DOBREV, Stefan - GODON, Maxime - KRANAKIS, E.** - SAKAI, T. - URRUTIA, J. Searching for a non-adversarial, uncooperative agent on a cycle. In *Theoretical Computer Science*, 2020, vol. 806, p. 531-542. (2019: 0.747 - IF, Q4 - JCR, 0.570 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2019.08.031>
- ADCA25 ČUNDERLÍKOVÁ, Katarína. Martingale Convergence Theorem for the Conditional Intuitionistic Fuzzy Probability. In *Mathematics*, 2020, vol. 8, issue 10, p. 1-10. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math8101707>
- ADCA26 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Attractor as a convex combination of a set of attractors. In

Communications in nonlinear science and numerical simulation, 2021, vol. 96, art. no. 105721, p. 1-11. (2020: 4.260 - IF, Q1 - JCR, 1.159 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1007-5704. Dostupné na: <https://doi.org/10.1016/j.cnsns.2021.105721>

- ADCA27 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Complex dynamics, hidden attractors and continuous approximation of a fractional-order hyperchaotic PWC system. In *Nonlinear Dynamics*, 2018, vol. 91, no. 4, p. 2523-2540. (2017: 4.339 - IF, Q1 - JCR, 1.468 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0924-090X. Dostupné na: <https://doi.org/10.1007/s11071-017-4029-5>
- ADCA28 DANCA, Marius-F. - FEČKAN, Michal - KUZNETSOV, Nikolay - CHEN, Guanrong. Coupled Discrete Fractional-Order Logistic Maps. In *Mathematics*, 2021, vol. 9, issue 18, p. 1-13. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9182204>
- ADCA29 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Fractional-order PWC systems without zero Lyapunov exponents. In *Nonlinear Dynamics*, 2018, vol. 92, no. 3, p. 1061-1078. (2017: 4.339 - IF, Q1 - JCR, 1.468 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0924-090X. Dostupné na: <https://doi.org/10.1007/s11071-018-4108-2>
- ADCA30 DANCA, Marius-F.** - FEČKAN, Michal. Hidden chaotic attractors and chaos suppression in an impulsive discrete economical supply and demand dynamical system. In *Communications in nonlinear science and numerical simulation*, 2019, vol. 74, p. 1-13. (2018: 3.967 - IF, Q1 - JCR, 1.326 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1007-5704. Dostupné na: <https://doi.org/10.1016/j.cnsns.2019.03.008>
- ADCA31 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. Chaos control in the fractional order logistic map via impulses. In *Nonlinear Dynamics*, 2019, vol. 98, no. 2, p. 1219-1230. (2018: 4.604 - IF, Q1 - JCR, 1.379 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0924-090X. Dostupné na: <https://doi.org/10.1007/s11071-019-05257-2>
- ADCA32 DANCA, Marius-F. - FEČKAN, Michal. Chaos Suppression in a Gompertz-like Discrete System of Fractional Order. In *International Journal of Bifurcation and Chaos*, 2020, vol. 30, no. 3, art. no. 2050049. (2019: 2.469 - IF, Q2 - JCR, 0.715 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127420500492>
- ADCA33 DANCA, Marius-F. - FEČKAN, Michal - CHEN, Guanrong. Impulsive stabilization of chaos in fractional-order systems. In *Nonlinear Dynamics*, 2017, vol. 89, no. 3, p. 1889-1903. (2016: 3.464 - IF, Q1 - JCR, 1.167 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0924-090X. Dostupné na: <https://doi.org/10.1007/s11071-017-3559-1>

- ADCA34 DANCA, Marius-F. - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Looking more closely at the Rabinovich-Fabrikant system. In *International Journal of Bifurcation and Chaos*, 2016, vol. 26, no. 2, art. no. 1650038 p. [1-21]. (2015: 1.355 - IF, Q2 - JCR, 0.752 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127416500383>
- ADCA35 DANCA, Marius-F. - FEČKAN, Michal*. On numerical integration of discontinuous dynamical systems. In *International Journal of Bifurcation and Chaos*, 2017, vol. 27, no. 14, art. no. 1750218, [8] p. (2016: 1.329 - IF, Q2 - JCR, 0.587 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127417502182>
- ADCA36 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Rich dynamics and anticontrol of extinction in a prey-predator system. In *Nonlinear Dynamics*, 2019, vol. 98, no. 2, p. 1421-1445. (2018: 4.604 - IF, Q1 - JCR, 1.379 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0924-090X. Dostupné na: <https://doi.org/10.1007/s11071-019-05272-3>
- ADCA37 DI LUNA, G.** - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Distributed exploration of dynamic rings. In *Distributed Computing*, 2020, vol. 33, no. 1, p. 41-67. (2019: 0.894 - IF, Q3 - JCR, 0.729 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0178-2770. Dostupné na: <https://doi.org/10.1007/s00446-018-0339-1>
- ADCA38 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij - LAPENTA, Serafina**. An approach to stochastic processes via non-classical logic. In *Annals of Pure and Applied Logic*, 2021, vol. 172, art. no. 103012. (2020: 0.678 - IF, Q2 - JCR, 0.943 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0168-0072. Dostupné na: <https://doi.org/10.1016/j.apal.2021.103012>
- ADCA39 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij** - LENZI, Giacomo. Observables on perfect MV-algebras. In *Fuzzy Sets and Systems*, 2019, vol. 369, p. 57-81. (2018: 2.907 - IF, Q1 - JCR, 1.347 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2018.11.0180165>
- ADCA40 DILNA, Nataliya - FEČKAN, Michal** - SOLOVYOV, Mykola. D-Stability of the Initial Value Problem for Symmetric Nonlinear Functional Differential Equations. In *Symmetry-basel*, 2020, vol. 12, no. 1761, p. 1-19. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/sym12111761>
- ADCA41 DILNA, Nataliya - FEČKAN, Michal - RONTÓ, András. On a class of functional differential equations with symmetries. In *Symmetry-basel*, 2019, vol. 11, issue 12, art. no. 1456. (2018: 2.143 - IF, Q2 - JCR, 0.287 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/sym11121456>

- ADCA42 DILNA, Nataliya** - FEČKAN, Michal - SOLOVYOV, Mykola - WANG, JinRong. Symmetric nonlinear functional differential equations at resonance. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2019, no. 76, p. 1-16. (2018: 1.065 - IF, Q1 - JCR, 0.482 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2019.1.76>
- ADCA43 DILNA, Nataliya** - FEČKAN, Michal. The Stieltjes string model with external load. In *Applied Mathematics and Computation*, 2018, vol. 337, p. 350-359. (2017: 2.300 - IF, Q1 - JCR, 1.065 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0096-3003. Dostupné na: <https://doi.org/10.1016/j.amc.2018.05.026>
- ADCA44 DING, Yuanlin - FEČKAN, Michal - WANG, JinRong. Stability for conformable impulsive differential equations. In *Electronic Journal of Differential Equations*, 2020, vol. 2020, no. 118, p. 1-19. (2019: 0.820 - IF, Q2 - JCR, 0.585 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1072-6691. Dostupné na internete: <<http://ejde.math.txstate.edu>>
- ADCA45 DOBREV, Stefan - EFTEKHARI, Mohsen - MACQUARRIE, Fraser - MAŇUCH, Ján - MORALES PONCE, Oscar. Connectivity with directional antennas in the symmetric communication model. In *Computational Geometry: Theory and Applications*, 2016, vol. 55, p. 1-25. (2015: 0.589 - IF, Q3 - JCR, 0.671 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0925-7721. Dostupné na: <https://doi.org/10.1016/j.comgeo.2016.03.002>
- ADCA46 DOBREV, Stefan - EDMONDS, Jeff - KOMM, Dennis - KRÁLOVIČ, Rastislav - KRÁLOVIČ, Richard - KRUG, Sacha - MÖMKE, Tobias. Improved analysis of the online set cover problem with advice. In *Theoretical Computer Science*, 2017, vol. 689, p. 96-107. (2016: 0.698 - IF, Q4 - JCR, 0.547 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2017.05.029>
- ADCA47 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid**. A variety containing EMV-algebras and Pierce sheaves of EMV-algebras. In *Fuzzy Sets and Systems*, 2021, vol. 418, p. 101-125. (2020: 3.343 - IF, Q1 - JCR, 0.902 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2020.09.011>
- ADCA48 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In *International Journal of General Systems*, 2019, vol. 48, no. 4, p. 382-405. (2018: 2.259 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2019.1584893>
- ADCA49 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Generalized pseudo-EMV-effect algebras. In *Soft Computing*, 2019, vol. 23, no. 20, p. 9807-9819. (2018: 2.784 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-019-03880-0>

- ADCA50 DVUREČENSKIJ, Anatolij - HYČKO, Marek. Hyper effect algebras. In *Fuzzy Sets and Systems*, 2017, vol. 326, p. 34-51. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2016.12.012>
- ADCA51 DVUREČENSKIJ, Anatolij. Lexicographic effect algebras. In *Algebra Universalis*, 2016, vol. 75, no. 4, p. 451-480. (2015: 0.344 - IF, Q4 - JCR, 0.385 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0002-5240. Dostupné na: <https://doi.org/10.1007/s00012-016-0374-3>
- ADCA52 DVUREČENSKIJ, Anatolij. Lexicographic pseudo effect algebras. In *Soft Computing*, 2017, vol. 21, no. 17, p. 4981-4994. (2016: 2.472 - IF, Q2 - JCR, 0.716 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-016-2228-5>
- ADCA53 DVUREČENSKIJ, Anatolij - LACHMAN, Dominik. Lifting, n-dimensional spectral resolutions, and n-dimensional observables. In *Algebra Universalis*, 2020, vol. 81, p. 1-36. (2019: 0.404 - IF, Q4 - JCR, 0.486 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0002-5240. Dostupné na: <https://doi.org/10.1007/s00012-020-00664-8>
- ADCA54 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Locally σ -complete and locally complete EMV-algebras. In *Soft Computing*, 2021, vol. 25, no. 2, p. 883-894. (2020: 3.643 - IF, Q2 - JCR, 0.626 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-020-05486-3>
- ADCA55 DVUREČENSKIJ, Anatolij. Markov kernels and tribes. In *Information Sciences*, 2018, vol. 460-461, p. 42-50. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2018.05.042>
- ADCA56 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid*. Morphisms on EMV-algebras and their applications. In *Soft Computing*, 2018, vol. 22, no. 22, p. 7519-7537. (2017: 2.367 - IF, Q2 - JCR, 0.593 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-018-3039-7>
- ADCA57 DVUREČENSKIJ, Anatolij - LACHMAN, Dominik. Observables on lexicographic effect algebras. In *Algebra Universalis*, 2019, vol. 80, no. 4, p. 1-22. (2018: 0.667 - IF, Q3 - JCR, 0.436 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0002-5240. Dostupné na: <https://doi.org/10.1007/s00012-019-0628-y>
- ADCA58 DVUREČENSKIJ, Anatolij. Observables on lexicographic MV-algebras. In *International Journal of General Systems*, 2019, vol. 48, no. 7, p. 738-774. (2018: 2.259 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2019.1643338>

- ADCA59 DVUREČENSKIJ, Anatolij. Olson order of quantum observables. In *International Journal of Theoretical Physics*, 2016, vol. 55, no. 11, p. 4896-4912. (2015: 1.041 - IF, Q3 - JCR, 0.359 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-016-3113-9>
- ADCA60 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. On EMV-algebras. In *Fuzzy Sets and Systems*, 2019, vol. 373, p. 116-148. (2018: 2.907 - IF, Q1 - JCR, 1.347 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2019.02.013>
- ADCA61 DVUREČENSKIJ, Anatolij. On orders of observables on effect algebras. In *International Journal of Theoretical Physics*, 2017, vol. 56, no. 12, p. 4112-4125. (2016: 0.964 - IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-017-3472-x>
- ADCA62 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Orthocomplete pseudo MV-algebras. In *International Journal of General Systems*, 2016, vol. 45, no. 7-8, p. 889-909. (2015: 1.677 - IF, Q1 - JCR, 0.758 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2016.1220008>
- ADCA63 DVUREČENSKIJ, Anatolij. Perfect effect algebras and spectral resolutions of observables. In *Foundations of Physics*, 2019, vol. 49, no. 6, p. 607-628. (2018: 1.344 - IF, Q3 - JCR, 0.381 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0015-9018. Dostupné na: <https://doi.org/10.1007/s10701-019-00238-2>
- ADCA64 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Pseudo equality algebras: revision. In *Soft Computing*, 2016, vol. 20, no. 6, p. 2091-2101. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-015-1888-x>
- ADCA65 DVUREČENSKIJ, Anatolij. Pseudo MV-algebras and lexicographic product. In *Fuzzy Sets and Systems*, 2016, vol. 303, p. 56-79. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2015.09.024>
- ADCA66 DVUREČENSKIJ, Anatolij. Quantum observables and effect algebras. In *International Journal of Theoretical Physics*, 2018, vol. 57, no. 3, p. 637-651. (2017: 0.968 - IF, Q3 - JCR, 0.285 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-017-3594-1>
- ADCA67 DVUREČENSKIJ, Anatolij. Riesz decomposition properties and the lexicographic product of po-groups. In *Soft Computing*, 2016, vol. 20, no. 6, p. 2103-2117. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents -

CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na:
<https://doi.org/10.1007/s00500-015-1903-2>

- ADCA68 DVUREČENSKIJ, Anatolij** - LACHMAN, Dominik. Spectral resolutions and quantum observables. In *International Journal of Theoretical Physics*, 2020, vol. 59, p. 2362-2383. (2019: 1.347 - IF, Q3 - JCR, 0.317 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0020-7748. Dostupné na:
<https://doi.org/10.1007/s10773-020-04507-z>
- ADCA69 DVUREČENSKIJ, Anatolij** - LACHMAN, Dominik. Spectral resolutions and observables in n-perfect MV-algebras. In *Soft Computing*, 2020, vol. 24, p. 843-860. (2019: 3.050 - IF, Q2 - JCR, 0.705 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1432-7643. Dostupné na:
<https://doi.org/10.1007/s00500-019-04543-w>
- ADCA70 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. States on EMV-algebras. In *Soft Computing*, 2019, vol. 23, no. 17, p. 7513-7536. (2018: 2.784 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-018-03738-x>
- ADCA71 DVUREČENSKIJ, Anatolij. Sum of n-dimensional observables on MV-effect algebras. In *Soft Computing*, 2021, vol. 25, p. 8073-8084. (2020: 3.643 - IF, Q2 - JCR, 0.626 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-021-05911-1>
- ADCA72 DVUREČENSKIJ, Anatolij. Sum of observables on MV-effect algebras. In *Soft Computing*, 2018, vol. 22, no. 8, p. 2485-2493. (2017: 2.367 - IF, Q2 - JCR, 0.593 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-017-2741-1>
- ADCA73 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. The Loomis-Sikorski theorem for EMV-algebras. In *Journal of the Australian Mathematical Society*, 2019, vol. 106, no. 2, p. 200-234. (2018: 0.602 - IF, Q3 - JCR, 0.536 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1446-7887. Dostupné na:
<https://doi.org/10.1017/S1446788718000101>
- ADCA74 DVUREČENSKIJ, Anatolij - LACHMAN, Dominik. Two-dimensional observables and spectral resolutions. In *Reports on Mathematical Physics*, 2020, vol. 85, no. 2, p. 163-191. (2019: 0.860 - IF, Q4 - JCR, 0.284 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0034-4877. Dostupné na:
[https://doi.org/10.1016/S0034-4877\(20\)30023-9](https://doi.org/10.1016/S0034-4877(20)30023-9)
- ADCA75 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. When the lexicographic product of two po-groups has the Riesz decomposition property. In *Algebra Universalis*, 2017, vol. 78, no. 1, p. 67-91. (2016: 0.625 - IF, Q3 - JCR, 0.536 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0002-5240. Dostupné na:
<https://doi.org/10.1007/s00012-017-0447-y>
- ADCA76 ELIAŠ, Peter - FRÍČ, Roman. Conditional probability on full Łukasiewicz tribes. In *Soft Computing*, 2020, vol. 24, p. 6521-6529. (2019: 3.050 - IF, Q2 - JCR,

0.705 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-020-04762-6>

- ADCA77 ELIAŠ, Peter - FRÍČ, Roman. Factorization of observables. In *International Journal of Theoretical Physics*, 2017, vol. 56, no. 12, p. 4073-4083. (2016: 0.964 - IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-017-3436-1>
- ADCA78 EOM, Hae-Sung - HAN, Yo-Sub - JIRÁSKOVÁ, Galina. State complexity of basic operations on non-returning regular languages. In *Fundamenta Informaticae*, 2016, vol. 144, no. 2, p. 161-182. (2015: 0.658 - IF, Q3 - JCR, 0.429 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0169-2968. Dostupné na: <https://doi.org/10.3233/FI-2016-1326>
- ADCA79 FABŠIČ, Tomáš** - GROŠEK, Otokar - NEMOGA, Karol - ZAJAC, Pavol. On generating invertible circulant binary matrices with a prescribed number of ones. In *Cryptography and Communications*, 2018, vol. 10, no. 1, p. 159-175. (2017: 1.213 - IF, Q2 - JCR, 0.446 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1936-2447. Dostupné na: <https://doi.org/10.1007/s12095-017-0239-4>
- ADCA80 FARIA, Luerbio - DE FIGUEIREDO, Celina M.H. - RICHTER, R. Bruce - VRŤO, Imrich. The same upper bound for both: the 2-page and the rectilinear crossing numbers of the n-cube. In *Journal of graph theory*, 2016, vol. 83, no. 1, p. 19-33. (2015: 0.796 - IF, Q2 - JCR, 1.469 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0364-9024. Dostupné na: <https://doi.org/10.1002/jgt.21910>
- ADCA81 FEČKAN, Michal** - MARYNETS, Kateryna. Approximation approach to periodic BVP for mixed fractional differential systems. In *Journal of Computational and Applied Mathematics*, 2018, vol. 339, p. 208-217. (2017: 1.632 - IF, Q1 - JCR, 0.938 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0377-0427. Dostupné na: <https://doi.org/10.1016/j.cam.2017.10.028>
- ADCA82 FEČKAN, Michal - MARYNETS, Kateryna. Approximation approach to periodic BVP for fractional differential systems. In *The European Physical Journal Special Topics*, 2017, vol. 226, no. 16-18, p. 3681-3692. (2016: 1.862 - IF, Q2 - JCR, 0.581 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1951-6355. Dostupné na: <https://doi.org/10.1140/epjst/e2018-00017-9>
- ADCA83 FEČKAN, Michal** - PAČUTA, Július. Averaging methods for second-order differential equations and their application for impact systems. In *Mathematics*, 2020, vol. 8, no. 916, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math8060916>
- ADCA84 FEČKAN, Michal - POSPÍŠIL, Michal - SUSANTO, H. Bifurcation of travelling waves in implicit nonlinear lattices: applications in metamaterials. In *Applicable Analysis*, 2017, vol. 96, no. 4, p. 578-589. (2016: 0.923 - IF, Q3 - JCR,

0.827 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0003-6811. Dostupné na: <https://doi.org/10.1080/00036811.2016.1145673>

- ADCA85 FEČKAN, Michal - MACHŮ, Hana. Discrete Dirichlet boundary value problems with upper semicontinuous right-hand sides. In *Journal of Difference Equations and Applications*, 2016, vol. 22, no. 7, p. 959-972. (2015: 0.761 - IF, Q3 - JCR, 0.836 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1023-6198. Dostupné na: <https://doi.org/10.1080/10236198.2016.1167888>
- ADCA86 FEČKAN, Michal - GUAN, Yi - O'REGAN, Donal - WANG, JinRong**. Existence and uniqueness and first order approximation of solutions to atmospheric Ekman flows. In *Monatshefte für Mathematik*, 2020, vol. 193, p. 623-636. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-020-01414-7>
- ADCA87 FEČKAN, Michal - WANG, JinRong - ZHAO, Hou Yu**. Maximal and minimal nondecreasing bounded solutions of iterative functional differential equations. In *Applied Mathematics Letters*, 2021, vol. 113, p. 1-7. (2020: 4.055 - IF, Q1 - JCR, 1.439 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0893-9659. Dostupné na: <https://doi.org/10.1016/j.aml.2020.106886>
- ADCA88 FEČKAN, Michal. Note on periodic solutions of fractional differential equations. In *Mathematical Methods in the Applied Sciences*, 2018, vol. 41, no. 13, p. 5065-5073. (2017: 1.180 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0170-4214. Dostupné na: <https://doi.org/10.1002/mma.4953>
- ADCA89 FEČKAN, Michal - POSPÍŠIL, Michal - WANG, JinRong. Note on weakly fractional differential equations. In *Advances in Difference Equations*, 2019, vol. 143, p. [1-11]. (2018: 1.510 - IF, Q1 - JCR, 0.525 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1687-1839. Dostupné na: <https://doi.org/10.1186/s13662-019-2086-4>
- ADCA90 FEČKAN, Michal - RONTÓ, András - DILNA, Nataliya. On a kind of symmetric weakly non-linear ordinary differential systems. In *Bulletin des sciences mathématiques*, 2016, vol. 140, no. 2, p. 188-230. (2015: 0.664 - IF, Q3 - JCR, 1.965 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0007-4497. Dostupné na: <https://doi.org/10.1016/j.bulsci.2015.11.003>
- ADCA91 FEČKAN, Michal** - WANG, JinRong. Periodic impulsive fractional differential equations. In *Advances in Nonlinear Analysis*, 2019, vol. 8, no. 1, p. 482-496. (2018: 6.636 - IF, Q1 - JCR, 3.215 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2191-9496. Dostupné na: <https://doi.org/10.1515/anona-2017-0015>
- ADCA92 FEČKAN, Michal - MARYNETS, Kateryna - WANG, JinRong. Periodic boundary value problems for higher-order fractinal differential systems. In *Mathematical Methods in the Applied Sciences*, 2019, vol. 42, p. 3616-3632. (2018:

1.533 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0170-4214. Dostupné na:
<https://doi.org/10.1002/mma.5601>

ADCA93 FEČKAN, Michal** - SATHIYARAJ, T. - WANG, JinRong. Synchronization of butterfly fractional order chaotic system. In *Mathematics*, 2020, vol. 8, no. 3, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na:
<https://doi.org/10.3390/math8030446>

ADCA94 FENG, Yan-Quan - HU, Kan - NEDELA, Roman - ŠKOVIERA, Martin - WANG, Na-Er. Complete regular dessins and skew-morphisms of cyclic groups. In *Ars Mathematica Contemporanea*, 2020, vol. 18, p. 289-307. (2019: 0.642 - IF, Q3 - JCR, 0.666 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1855-3966. Dostupné na: <https://doi.org/10.26493/1855-3974.1748.ebd>

ADCA95 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. A Loomis-Sikorski theorem and functional calculus for a generalized Hermitian algebra. In *Reports on Mathematical Physics*, 2017, vol. 80, no. 2, p. 255-275. (2016: 0.604 - IF, Q4 - JCR, 0.383 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0034-4877. Dostupné na:
[https://doi.org/10.1016/S0034-4877\(17\)30079-4](https://doi.org/10.1016/S0034-4877(17)30079-4)

ADCA96 FOULIS, David J** - PULMANNOVÁ, Sylvia*. Banach synaptic algebras. In *International Journal of Theoretical Physics*, 2018, vol. 57, no. 4, p. 1103-1119. (2017: 0.968 - IF, Q3 - JCR, 0.285 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-7748. Dostupné na:
<https://doi.org/10.1007/s10773-017-3641-y>

ADCA97 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Every synaptic algebra has the monotone square root property. In *Positivity*, 2017, vol. 21, no. 3, p. 919-930. (2016: 0.661 - IF, Q2 - JCR, 0.640 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1385-1292. Dostupné na:
<https://doi.org/10.1007/s11117-016-0443-z>

ADCA98 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. States and synaptic algebras. In *Reports on Mathematical Physics*, 2017, vol. 79, no. 1, p. 13-32. (2016: 0.604 - IF, Q4 - JCR, 0.383 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0034-4877. Dostupné na:
[https://doi.org/10.1016/S0034-4877\(17\)30018-6](https://doi.org/10.1016/S0034-4877(17)30018-6)

ADCA99 FRANCA, M.** - POSPÍŠIL, Michal. New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. In *Journal of Differential Equations*, 2019, vol. 266, no. 2-3, p. 1429-1461. (2018: 1.938 - IF, Q1 - JCR, 2.352 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0022-0396. Dostupné na:
<https://doi.org/10.1016/j.jde.2018.07.078>

ADCA100 FRIČ, Roman - PAPČO, Martin. On probability domains IV. In *International Journal of Theoretical Physics*, 2017, vol. 56, no. 12, p. 4084-4091. (2016: 0.964 -

IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-017-3438-z>

ADCA101 FRIČ, Roman - PAPČO, Martin. Probability: From classical to fuzzy. In *Fuzzy Sets and Systems*, 2017, vol. 326, p. 106-114. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2017.06.003>

ADCA102 GIRARD, Mark - PLÁVALA, Martin - SIKORA, Jamie. Jordan products of quantum channels and their compatibility. In *Nature Communications*, 2021, vol. 12, art. no. 2129. (2020: 14.919 - IF, Q1 - JCR, 5.559 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-021-22275-0>

ADCA103 GRAEF, John R. - JADLOVSKÁ, Irena - TUNC, Ercan. Sharp asymptotic results for third-order linear delay differential equations. In *Journal of Applied Analysis and Computation*, 2021, vol. 11, no. 5, p. 2459-2472. (2020: 1.827 - IF, Q2 - JCR, 0.550 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2156-907X. Dostupné na: <https://doi.org/10.11948/20200417>

ADCA104 GUAN, Yi - WANG, JinRong** - FEČKAN, Michal. Explicit solution and dynamical properties of atmospheric Ekman flows with boundary conditions. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2021, vol. 30, p. 1-19. (2020: 1.874 - IF, Q1 - JCR, 0.524 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2021.1.30>

ADCA105 GUAN, Yi - FEČKAN, Michal - WANG, JinRong. Periodic Solutions and Hyers-Ulam Stability of Atmospheric Ekman Flows. In *Discrete and Continuous Dynamical Systems*, 2021, vol. 41, no. 3, p. 1157-1176. (2020: 1.392 - IF, Q2 - JCR, 1.289 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1078-0947. Dostupné na: <https://doi.org/10.3934/dcds.2020313>

ADCA106 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. A new characterization of the discrete Sugeno integral. In *Information Fusion*, 2016, vol. 29, p. 84-86. (2015: 4.353 - IF, Q1 - JCR, 1.586 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1566-2535. Dostupné na: <https://doi.org/10.1016/j.inffus.2015.08.008>

ADCA107 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef* - TORRA, Vincenç. A note on some algebraic properties of discrete Sugeno integrals. In *Fuzzy Sets and Systems*, 2019, vol. 355, p. 110-120. (2018: 2.907 - IF, Q1 - JCR, 1.347 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2018.01.009>

ADCA108 HALAŠ, Radomír** - KURAČ, Zbyněk - MESIAR, Radko - PÓCS, Jozef. Binary generating set of the clone of idempotent aggregation functions on bounded lattices. In *Information Sciences*, 2018, vol. 462, p. 367-373. (2017: 4.305 - IF, Q1 -

JCR, 1.635 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2018.06.038>

ADCA109 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. Congruences and the discrete Sugeno integrals on bounded distributive lattices. In *Information Sciences*, 2016, vol. 367-368, p. 443-448. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2016.06.017>

ADCA110 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. Description of sup- and inf-preserving aggregation functions via families of clusters in data tables. In *Information Sciences*, 2017, vol. 400-401, p. 173-183. (2016: 4.832 - IF, Q1 - JCR, 1.781 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2017.02.060>

ADCA111 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. Generalized comonotonicity and new axiomatizations of Sugeno integrals on bounded distributive lattices. In *International Journal of Approximate Reasoning*, 2017, vol. 81, p. 183-192. (2016: 2.845 - IF, Q2 - JCR, 1.275 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0888-613X. Dostupné na: <https://doi.org/10.1016/j.ijar.2016.11.012>

ADCA112 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. Generators of aggregation functions and fuzzy connectives. In *IEEE Transactions on Fuzzy Systems*, 2016, vol. 24, no. 6, p. 1690-1694. (2015: 6.701 - IF, Q1 - JCR, 4.552 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1063-6706. Dostupné na: <https://doi.org/10.1109/TFUZZ.2016.2544353>

ADCA113 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef**. On generating sets of the clone of aggregation functions on finite lattices. In *Information Sciences*, 2019, vol. 476, p. 38-47. (2018: 5.524 - IF, Q1 - JCR, 1.620 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2018.09.070>

ADCA114 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef*. On generation of aggregation functions on infinite lattices. In *Soft Computing*, 2019, vol. 23, p. 7279-7286. (2018: 2.784 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-018-3375-7>

ADCA115 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. On linear approximations of sugeno integrals on bounded distributive lattices. In *IEEE Transactions on Fuzzy Systems*, 2018, vol. 26, no. 5, p. 3177-3181. (2017: 8.415 - IF, Q1 - JCR, 4.024 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1063-6706. Dostupné na: <https://doi.org/10.1109/TFUZZ.2017.2785791>

ADCA116 HALAŠ, Radomír - PÓCS, Jozef. On the clone of aggregation functions on bounded lattices. In *Information Sciences*, 2016, vol. 329, p. 381-389. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2015.09.038>

- ADCA117 HALAŠ, Radomír** - KURÁČ, Zbyněk - PÓCS, Jozef. On the minimality of some generating sets of the aggregation clone on a finite chain. In *Information Sciences*, 2021, vol. 564, p. 193-201. (2020: 6.795 - IF, Q1 - JCR, 1.524 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2021.02.070>
- ADCA118 HASIL, Petr - KISELÁK, Jozef - POSPÍŠIL, Michal - VESELÝ, Michal**. Nonoscillation of half-linear dynamic equations on time scales. In *Mathematical Methods in the Applied Sciences*, 2021, vol. 44, no. 11, p. 8775-8797. (2020: 2.321 - IF, Q1 - JCR, 0.719 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0170-4214. Dostupné na: <https://doi.org/10.1002/mma.7304>
- ADCA119 HOLÁ, Ľubica - HOLÝ, Dušan. Minimal usco and minimal cusco maps and compactness. In *Journal of Mathematical Analysis and Applications*, 2016, vol. 439, no. 2, p. 737-744. (2015: 1.014 - IF, Q1 - JCR, 1.150 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-247X. Dostupné na: <https://doi.org/10.1016/j.jmaa.2016.03.007>
- ADCA120 HOLÁ, Ľubica - MIRMOSTAFABEE, Alireza Kamel. Norm continuity of quasicontinuous mappings into $C_p(Y)$. In *Colloquium Mathematicum*, 2018, vol. 154, no. 1, p. 97-105. (2017: 0.420 - IF, Q4 - JCR, 0.402 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0010-1354. Dostupné na: <https://doi.org/10.4064/cm7162-12-2017>
- ADCA121 HOLÁ, Ľubica - HOLÝ, Dušan. Quasicontinuous subcontinuous functions and compactness. In *Mediterranean Journal of Mathematics*, 2016, vol. 13, no. 6, p. 4509-4518. (2015: 0.599 - IF, Q3 - JCR, 0.632 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1660-5446. Dostupné na: <https://doi.org/10.1007/s00009-016-0759-8>
- ADCA122 HOLÁ, Ľubica - HOLÝ, Dušan. Quasicontinuous functions and compactness. In *Mediterranean Journal of Mathematics*, 2017, vol. 14, no. 6, art. no. 219. (2016: 0.868 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1660-5446. Dostupné na: <https://doi.org/10.1007/s00009-017-1014-7>
- ADCA123 HOLÁ, Ľubica - NOVOTNÝ, Branislav**. Topological Properties of the Space of Convex Minimal Usco Maps. In *Set-Valued and Variational Analysis*, 2020, vol. 28, p. 287-300. (2019: 1.476 - IF, Q2 - JCR, 0.964 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1877-0533. Dostupné na: <https://doi.org/10.1007/s11228-019-00509-0>
- ADCA124 HOLÁ, Ľubica - NOVOTNÝ, Branislav. Topology of uniform convergence and m-topology on $C(X)$. In *Mediterranean Journal of Mathematics*, 2017, vol. 14, no. 2, art. no. 70. (2016: 0.868 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1660-5446. Dostupné na: <https://doi.org/10.1007/s00009-017-0861-6>

- ADCA125 HOLÁ, Ľubica - NOVOTNÝ, Branislav**. When is the space of minimal usco/cusco maps a topological vector space. In *Journal of Mathematical Analysis and Applications*, 2020, vol. 489, p. 1-15. (2019: 1.220 - IF, Q1 - JCR, 1.021 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-247X. Dostupné na: <https://doi.org/10.1016/j.jmaa.2020.124125>
- ADCA126 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Descriptive complexity of the forever operator. In *International Journal of Foundations of Computer Science*, 2019, vol. 30, no. 1, p. 115-134. (2018: 0.540 - IF, Q4 - JCR, 0.320 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S0129054119400069>
- ADCA127 HOSPODÁR, Michal** - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Nondeterministic complexity in subclasses of convex languages. In *Theoretical Computer Science*, 2019, vol. 787, p. 89-110. (2018: 0.718 - IF, Q4 - JCR, 0.494 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2018.12.027>
- ADCA128 HOSPODÁR, Michal. Power, positive closure, and quotients on convex languages. In *Theoretical Computer Science*, 2021, vol. 870, p. 53-74. (2020: 0.827 - IF, Q4 - JCR, 0.464 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2021.02.002>
- ADCA129 HOSPODÁR, Michal** - JIRÁSKOVÁ, Galina. The complexity of concatenation on deterministic and alternating finite automata. In *RAIRO : Theoretical Informatics and Applications*, 2018, vol. 52, no. 2-4, p. 153-168. (2017: 0.350 - IF, Q4 - JCR, 0.375 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0988-3754. Dostupné na: <https://doi.org/10.1051/ita/2018011>
- ADCA130 HOSPODÁR, Michal - HOLZER, Markus. The Ranges of Accepting State Complexities of Languages Resulting from Some Operations. In *International Journal of Foundations of Computer Science*, 2020, vol. 31, no. 8, p. 1159-1177. (2019: 0.523 - IF, Q4 - JCR, 0.334 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S0129054120420083>
- ADCA131 HUTNÍK, Ondrej - PÓCS, Jozef. On \star - associated comonotone functions. In *Kybernetika*, 2018, vol. 54, no. 2, p. 268-278. (2017: 0.632 - IF, Q4 - JCR, 0.321 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0023-5954. Dostupné na: <https://doi.org/10.14736/kyb-2018-2-0268>
- ADCA132 JADLOVSKÁ, Irena. New Criteria for Sharp Oscillation of Second-Order Neutral Delay Differential Equations. In *Mathematics*, 2021, vol.9, no. 17, art. nr. 2089, p. 1-23. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9172089>

- ADCA133 JADLOVSKÁ, Irena - CHATZARAKIS, George E. - DŽURINA, Jozef - GRACE, Said R. On Sharp Oscillation Criteria for General Third-Order Delay Differential Equations. In *Mathematics*, 2021, vol. 9, no. 14, art. nr. 1675, p. 1-18. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9141675>
- ADCA134 JENČOVÁ, Anna. A general theory of comparison of quantum channels (and beyond). In *IEEE Information Theory Group*, 2021, vol. 67, no. 6, p. 3945-3964. (2020: 2.501 - IF, Q2 - JCR, 1.218 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0018-9448. Dostupné na: <https://doi.org/10.1109/TIT.2021.3070120>
- ADCA135 JENČOVÁ, Anna - PLÁVALA, Martin. Conditions for optimal input states for discrimination of quantum channels. In *Journal of Mathematical Physics*, 2016, vol. 57, no. 12, art. no. 122203, p. [1-20]. (2015: 1.234 - IF, Q2 - JCR, 0.792 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.4972286>
- ADCA136 JENČOVÁ, Anna - PLÁVALA, Martin. Conditions on the existence of maximally incompatible two-outcome measurements in general probabilistic theory. In *Physical Review A*, 2017, vol. 96, no. 2, art. no. 022113, p. [1-7]. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.96.022113>
- ADCA137 JENČOVÁ, Anna** - PULMANNOVÁ, Sylvia. Geometric and algebraic aspects of spectrality in order unit spaces: A comparison. In *Journal of Mathematical Analysis and Applications*, 2021, vol. 504, art. nr. 125360. (2020: 1.583 - IF, Q1 - JCR, 0.951 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0022-247X. Dostupné na: <https://doi.org/10.1016/j.jmaa.2021.125360>
- ADCA138 JENČOVÁ, Anna. Incompatible measurements in a class of general probabilistic theories. In *Physical Review A*, 2018, vol. 98, no. 1, art. no. 012133. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.98.012133>
- ADCA139 JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Observables on synaptic algebras. In *Fuzzy Sets and Systems*, 2021, vol. 406, p. 93-106. (2020: 3.343 - IF, Q1 - JCR, 0.902 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2020.05.015>
- ADCA140 JENČOVÁ, Anna - JENČA, G. On monoids in the category of sets and relations. In *International Journal of Theoretical Physics*, 2017, vol. 56, no. 12, p. 3757-3769. (2016: 0.964 - IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-017-3304-z>

- ADCA141 JENČOVÁ, Anna. On the convex structure of process positive operator valued measures. In *Journal of Mathematical Physics*, 2016, vol. 57, no. 1, art. no. 015207. (2015: 1.234 - IF, Q2 - JCR, 0.792 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.4935072>
- ADCA142 JENČOVÁ, Anna. Preservation of a quantum Rényi relative entropy implies existence of a recovery map. In *Journal of Physics A: Mathematical and Theoretical*, 2017, vol. 50, no. 8, art. no. 085303. (2016: 1.865 - IF, Q1 - JCR, 0.935 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8121/aa5661>
- ADCA143 JENČOVÁ, Anna. Rényi relative entropies and noncommutative L_p -spaces. In *Annales Henri Poincaré*, 2018, vol. 19, no. 8, p. 2513-2542. (2017: 1.740 - IF, Q2 - JCR, 1.097 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1424-0637. Dostupné na: <https://doi.org/10.1007/s00023-018-0683-5>
- ADCA144 JENČOVÁ, Anna. Renyi Relative Entropies and Noncommutative L_p -Spaces II. In *Annales Henri Poincaré*, 2021, vol. 22, p. 3235-3254. (2020: 1.550 - IF, Q2 - JCR, 1.119 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1424-0637. Dostupné na: <https://doi.org/10.1007/s00023-021-01074-9>
- ADCA145 JENČOVÁ, Anna - PLÁVALA, Martin**. Structure of quantum and classical implementations of the Popescu-Rohrlich box. In *Physical Review A*, 2020, vol. 102, art.no. 042208, p. 1-14. (2019: 2.777 - IF, Q2 - JCR, 1.416 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.102.042208>
- ADCA146 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina - ŠEBEJ, Juraj. Operations on unambiguous finite automata. In *International Journal of Foundations of Computer Science*, 2018, vol. 29, no. 5, p. 861-876. (2017: 0.353 - IF, Q4 - JCR, 0.355 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S012905411842008X>
- ADCA147 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina - KRAUSOVÁ, Monika - MLYNÁRČIK, Peter - ŠEBEJ, Juraj. Prefix-free languages: Left and right quotient and reversal. In *Theoretical Computer Science*, 2016, vol. 610, p. 78-90. (2015: 0.643 - IF, Q3 - JCR, 0.592 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2015.08.031>
- ADCA148 JIRÁSKOVÁ, Galina - OKHOTIN, Alexander. On the state complexity of operations on two-way finite automata. In *Information and Computation*, 2017, vol. 253, p. 36-63. (2016: 1.050 - IF, Q2 - JCR, 0.724 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0890-5401. Dostupné na: <https://doi.org/10.1016/j.ic.2016.12.007>
- ADCA149 JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, Ivana. Square on deterministic, alternating, and boolean finite automata. In *International Journal of Foundations of Computer Science*, 2019, vol. 30, no. 06-07, p. 1117-1134. (2018: 0.540 - IF, Q4 -

JCR, 0.320 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents).
ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S0129054119400318>

- ADCA150 KABÁTH, Petr - SKARKA, Marek - SABOTTA, S. - GUENTHER, E. - JONES, D. - KLOCOVÁ, T. - ŠUBJAK, Ján - ŽÁK, Jiří - ŠPOKOVÁ, M. - BLAŽEK, M. - DVOŘÁKOVÁ, J. - DUPKALA, Daniel - FUCHS, J. - HATZES, A. - KORTUSOVÁ, E. - NOVOTNÝ, R. - PLÁVALOVÁ, Eva - ŘEZBA, L. - SLOUP, J. - ŠKODA, Petr - ŠLECHTA, Miroslav. Ondřejov Echelle spectograph, ground based support facility for exoplanet missions. In *Publications of the Astronomical Society of the Pacific*, 2020, vol. 132, art.no. 035002, p. 1-12. (2019: 3.982 - IF, Q2 - JCR, 1.536 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0004-6280. Dostupné na: <https://doi.org/10.1088/1538-3873/ab6752>
- ADCA151 KAJANOVIČOVÁ, Viktória - NOVOTNÝ, Branislav** - POSPÍŠIL, Michal. Ramsey model with non-constant population growth. In *Mathematical Social Sciences*, 2020, vol. 104, p. 40-46. (2019: 0.669 - IF, Q4 - JCR, 0.473 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0165-4896. Dostupné na: <https://doi.org/10.1016/j.mathsocsci.2020.01.004>
- ADCA152 KARDOŠ, František - PÓCS, Jozef - PÓCSOVÁ, Jana. On concept reduction based on some graph properties. In *Knowledge-Based Systems*, 2016, vol. 93, p. 67-74. (2015: 3.325 - IF, Q1 - JCR, 1.744 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0950-7051. Dostupné na: <https://doi.org/10.1016/j.knosys.2015.11.003>
- ADCA153 KLIMO, Martin - TARÁBEK, Peter - ŠUCH, Ondrej - SMIEŠKO, Juraj - ŠKVAREK, Ondrej. Implementation of a deep ReLU neuron network with a memristive circuit. In *International Journal on Unconventional Computing*, 2016, vol. 12, no. 4, p. 319-337. (2015: 0.739 - IF, Q3 - JCR, 0.337 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1548-7199.
- ADCA154 KOCHOL, Martin. Bounds of characteristic polynomials of regular matroids. In *Contributions to Discrete Mathematics*, 2020, vol. 15, no. 3, p. 98-107. (2019: 0.345 - IF, Q4 - JCR, 0.190 - SJR, Q4 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1715-0868. Dostupné na: <https://doi.org/10.11575/cdm.v15i3.69350>
- ADCA155 KOCHOL, Martin. Edge cut splitting formulas for Tutte-Grothendieck invariants. In *Journal of Combinatorial Theory, Series B*, 2017, vol. 125, p. 114-131. (2016: 0.829 - IF, Q2 - JCR, 1.942 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0095-8956. Dostupné na: <https://doi.org/10.1016/j.jctb.2017.03.004>
- ADCA156 KOCHOL, Martin. Equivalent versions of group-connectivity theorems and conjectures. In *Discrete Applied Mathematics*, 2019, vol. 257, p. 350-352. (2018: 0.983 - IF, Q3 - JCR, 0.815 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0166-218X. Dostupné na: <https://doi.org/10.1016/j.dam.2018.10.010>

- ADCA157 KOCHOL, Martin. Interpretations of the Tutte polynomials of regular matroids. In *Advances in applied mathematics*, 2019, vol. 111, 101934, p. 1-19. (2018: 1.008 - IF, Q3 - JCR, 0.688 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0196-8858. Dostupné na: <https://doi.org/10.1016/j.aam.2019.101934>
- ADCA158 KOCHOL, Martin. Polynomial algorithms for canonical forms of orientations. In *Journal of Combinatorial Optimization*, 2016, vol. 31, no. 1, p. 218-222. (2015: 1.080 - IF, Q2 - JCR, 0.959 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1382-6905. Dostupné na: <https://doi.org/10.1007/s10878-014-9735-z>
- ADCA159 KOCHOL, Martin. Three colorability characterized by shrinking of locally connected subgraphs into triangles. In *Information Processing Letters*, 2018, vol. 135, p. 33-35. (2017: 0.793 - IF, Q4 - JCR, 0.412 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0020-0190. Dostupné na: <https://doi.org/10.1016/j.ipl.2018.02.016>
- ADCA160 KORBAŠ, Július. An explicit formula for the cup-length of the rotation group. In *Bulletin of the Belgian Mathematical Society*, 2017, vol. 24, no. 3, p. 335-338. (2016: 0.375 - IF, Q4 - JCR, 0.369 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1370-1444. Dostupné na: <https://doi.org/10.36045/bbms/1506477684>
- ADCA161 KORBAŠ, Július - RUSIN, Tomáš. On the cohomology of oriented Grassmann manifolds. In *Homology, Homotopy and Applications*, 2016, vol. 18, no. 2, p. 71-84. (2015: 0.486 - IF, Q3 - JCR, 0.464 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1532-0073. Dostupné na: <https://doi.org/10.4310/HHA.2016.v18.n2.a4>
- ADCA162 KOVÁCS, István - NEDELA, Roman. Skew-morphisms of cyclic p-groups. In *Journal of group theory*, 2017, vol. 20, no. 6, p. 1135-1154. (2016: 0.457 - IF, Q3 - JCR, 0.825 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1433-5883. Dostupné na: <https://doi.org/10.1515/jgth-2017-0015>
- ADCA163 KUDO, Shuhei - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIĆ, Marián. Performance analysis and optimization of the parallel one-sided block Jacobi SVD algorithm with dynamic ordering and variable blocking. In *Concurrency and computation - practice & experience*, 2017, vol. 29, no. 9/10, art. no. e4059. (2016: 1.133 - IF, Q3 - JCR, 0.312 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1532-0626. Dostupné na: <https://doi.org/10.1002/cpe.4059>
- ADCA164 KUZNETSOV, E. D. - ROSAEV, A. - PLÁVALOVÁ, Eva - SAFRONOVA, V. S. - VASILEVA, M. A. A search for young asteroid pairs with close orbits. In *Solar System Research*, 2020, vol. 54, no. 3, p. 236-252. (2019: 0.756 - IF, Q4 - JCR, 0.312 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0038-0946. Dostupné na: <https://doi.org/10.1134/S0038094620030077>

- ADCA165 LI, Mengmeng - WANG, JinRong - O'REGAN, Donal - FEČKAN, Michal. Center Manifolds for Non-instantaneous Impulsive Equations Under Nonuniform Hyperbolicity. In *Comptes Rendus Mathematique*, 2020, vol. 358, no. 3, p. 341-364. (2019: 0.719 - IF, Q3 - JCR, 0.869 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1631-073X. Dostupné na: <https://doi.org/10.5802/crmath.47>
- ADCA166 LIANG, Chengbin - WANG, JinRong - FEČKAN, Michal. A study on ILC for linear discrete systems with single delay. In *Journal of Difference Equations and Applications*, 2018, vol. 24, no. 3, p. 358-374. (2017: 0.625 - IF, Q4 - JCR, 0.450 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1023-6198. Dostupné na: <https://doi.org/10.1080/10236198.2017.1409220>
- ADCA167 LIU, Kui - FEČKAN, Michal** - WANG, JinRong. A fixed-point approach to the Hyers-Ulam stability of Caputo-Fabrizio fractional differential equations. In *Mathematics*, 2020, vol. 8, no. 647, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math8040647>
- ADCA168 LIU, Kui - WANG, JinRong - O'REGAN, Donal - FEČKAN, Michal. A New Class of (ω, c) -Periodic Non-instantaneous Impulsive Differential Equations. In *Mediterranean Journal of Mathematics*, 2020, vol. 17, art. no. 155, p. 1-22. (2019: 1.216 - IF, Q1 - JCR, 0.573 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1660-5446. Dostupné na: <https://doi.org/10.1007/s00009-020-01574-8>
- ADCA169 LIU, Kui - FEČKAN, Michal - O'REGAN, D. - WANG, JinRong**. Hyers-Ulam stability and existence of solutions for differential equations with Caputo-Fabrizio fractional derivative. In *Mathematics*, 2019, vol. 7, no. 4, art. no. 333. (2018: 1.105 - IF, Q1 - JCR, 0.244 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math7040333>
- ADCA170 LIU, Kui - FEČKAN, Michal** - WANG, JinRong. Hyers-Ulam stability and existence of solutions to the generalized Liouville-Caputo fractional differential equations. In *Symmetry-basel*, 2020, vol. 12, no. 955, p. 1-18. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/sym12060955>
- ADCA171 LIU, Shengda - WANG, JinRong** - SHEN, Dong - FEČKAN, Michal. Iterative learning control for nonlinear differential inclusion systems. In *International Journal of Robust and Nonlinear Control*, 2020, vol. 30, p. 2937-2952. (2019: 3.503 - IF, Q1 - JCR, 1.631 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1049-8923. Dostupné na: <https://doi.org/10.1002/rnc.4920>
- ADCA172 LÓPEZ POUSO, Rodrigo - MÁRQUEZ ALBÉS, Ignacio** - MONTEIRO, Giselle Antunes. Extremal solutions of systems of measure differential equations and applications in the study of Stieltjes differential problems. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2018, no. 38, p. 1-24. (2017: 0.881 -

IF, Q2 - JCR, 0.492 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2018.1.38>

ADCA173 LUO, Dahui - WANG, JinRong** - SHEN, Dong - FEČKAN, Michal. Iterative learning control for fractional-order multi-agent systems. In *Journal of The Franklin Institute*, 2019, vol. 356, p. 6328-6351. (2018: 3.653 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0016-0032. Dostupné na: <https://doi.org/10.1016/j.jfranklin.2019.06.001>

ADCA174 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Entropy of fuzzy partitions and entropy of fuzzy dynamical systems. In *Entropy*, 2016, vol. 18, no. 1, p. 1-10. (2015: 1.743 - IF, Q2 - JCR, 0.551 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e18010019>

ADCA175 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Kullback-Leibler divergence and mutual information of partitions in product MV algebras. In *Entropy*, 2017, vol. 19, no. 6, art. no. 267, p. 1-18. (2016: 1.821 - IF, Q2 - JCR, 0.560 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e19060267>

ADCA176 MARKECHOVÁ, Dagmar** - RIEČAN, Beloslav. K-L Divergence, entropy and mutual information of experiments in the intuitionistic fuzzy case. In *Journal of Intelligent and Fuzzy Systems*, 2019, vol. 36, no. 4, p. 3857-3867. (2018: 1.637 - IF, Q3 - JCR, 0.412 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1064-1246. Dostupné na: <https://doi.org/10.3233/JIFS-18053>

ADCA177 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Logical entropy of fuzzy dynamical systems. In *Entropy*, 2016, vol. 18, no. 4, p. 1-16. (2015: 1.743 - IF, Q2 - JCR, 0.551 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e18040157>

ADCA178 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Logical entropy and logical mutual information of experiments in the intuitionistic fuzzy case. In *Entropy*, 2017, vol. 19, no. 8, art. no. 429, p. 1-19. (2016: 1.821 - IF, Q2 - JCR, 0.560 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e19080429>

ADCA179 MARKECHOVÁ, Dagmar** - RIEČAN, Beloslav. Logical entropy of dynamical systems in product MV-algebras and general scheme. In *Advances in Difference Equations*, 2019, vol. 1, no. 9, p. 1-17. (2018: 1.510 - IF, Q1 - JCR, 0.525 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1687-1839. Dostupné na: <https://doi.org/10.1186/s13662-019-1946-2>

ADCA180 MARKECHOVÁ, Dagmar** - RIEČAN, Beloslav*. Rényi entropy and Rényi divergence in product MV-algebras. In *Entropy*, 2018, vol. 20, no. 8, art. no. 587, p. 1-19. (2017: 2.305 - IF, Q2 - JCR, 0.592 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e20080587>

- ADCA181 MARKECHOVÁ, Dagmar** - RIEČAN, Beloslav*. Tsallis entropy of product MV-algebra dynamical systems. In *Entropy*, 2018, vol. 20, no. 8, art. no. 589, p. 1-19. (2017: 2.305 - IF, Q2 - JCR, 0.592 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1099-4300. Dostupné na: <https://doi.org/10.3390/e20080589>
- ADCA182 MEDINA, Jesús - OJEDA-ACIEGO, M. - PÓCS, Jozef - RAMÍREZ-POUSSA, E. On the Dedekind-MacNeille completion and formal concept analysis based on multilattices. In *Fuzzy Sets and Systems*, 2016, vol. 303, p. 1-20. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2016.01.007>
- ADCA183 MEDVEĎ, Milan - POSPÍŠIL, Michal**. On the existence and exponential stability for differential equations with multiple constant delays and nonlinearity depending on fractional substantial integrals. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2019, no. 43, p. 1-17. (2018: 1.065 - IF, Q1 - JCR, 0.482 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2019.1.43>
- ADCA184 MESiarová-ZEMÁNKOVÁ, Andrea. A note on decomposition of idempotent uninorms into an ordinal sum of singleton semigroups. In *Fuzzy Sets and Systems*, 2016, vol. 299, p. 140-145. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2016.04.007>
- ADCA185 MESiarová-ZEMÁNKOVÁ, Andrea - KELLY, Stephen - AHMAD, Khurshid. Bonferroni mean with weighted interaction. In *IEEE Transactions on Fuzzy Systems*, 2018, vol. 26, no. 5, p. 3085-3096. (2017: 8.415 - IF, Q1 - JCR, 4.024 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1063-6706. Dostupné na: <https://doi.org/10.1109/TFUZZ.2018.2792475>
- ADCA186 MESiarová-ZEMÁNKOVÁ, Andrea. Continuous completions of triangular norms known on a subregion of the unit interval. In *Fuzzy Sets and Systems*, 2017, vol. 308, p. 27-41. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2016.06.006>
- ADCA187 MESiarová-ZEMÁNKOVÁ, Andrea. Continuous additive generators of continuous, conditionally cancellative triangular subnorms. In *Information Sciences*, 2016, vol. 339, p. 53-63. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2015.12.016>
- ADCA188 MESiarová-ZEMÁNKOVÁ, Andrea. Convex combinations of uninorms and triangular subnorms. In *Fuzzy Sets and Systems*, 2021, vol. 423, p. 55-73. (2020: 3.343 - IF, Q1 - JCR, 0.902 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2020.10.011>

- ADCA189 MESiarová-Zemánková, Andrea. Decomposable and k-additive multi-capacities and multi-polar capacities. In *Fuzzy Sets and Systems*, 2016, vol. 287, p. 22-36. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2015.01.004>
- ADCA190 MESiarová-Zemánková, Andrea. Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction. In *International Journal of Approximate Reasoning*, 2021, vol. 133, p. 60-79. (2020: 3.816 - IF, Q2 - JCR, 1.039 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0888-613X. Dostupné na: <https://doi.org/10.1016/j.ijar.2021.03.006>
- ADCA191 MESiarová-Zemánková, Andrea. Characterization of uninorms with continuous underlying t-norm and t-conorm by means of the ordinal sum construction. In *International Journal of Approximate Reasoning*, 2017, vol. 83, p. 176-192. (2016: 2.845 - IF, Q2 - JCR, 1.275 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0888-613X. Dostupné na: <https://doi.org/10.1016/j.ijar.2017.01.007>
- ADCA192 MESiarová-Zemánková, Andrea. Characterization of uninorms with continuous underlying T-norm and T-conorm by their set of discontinuity points. In *IEEE Transactions on Fuzzy Systems*, 2018, vol. 26, no. 2, p. 705-714. (2017: 8.415 - IF, Q1 - JCR, 4.024 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1063-6706. Dostupné na: <https://doi.org/10.1109/TFUZZ.2017.2688346>
- ADCA193 MESiarová-Zemánková, Andrea. Characterizing set-valued functions of uninorms with continuous underlying t-norm and t-conorm. In *Fuzzy Sets and Systems*, 2018, vol. 334, p. 83-93. (2017: 2.675 - IF, Q1 - JCR, 1.138 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2017.07.019>
- ADCA194 MESiarová-Zemánková, Andrea - HYČKO, Marek. Multi-and multi-polar capacities. In *Fuzzy Sets and Systems*, 2016, vol. 291, p. 18-32. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2014.12.005>
- ADCA195 MESiarová-Zemánková, Andrea. Natural partial order induced by a commutative, associative and idempotent function. In *Information Sciences*, 2021, vol. 545, p. 499-512. (2020: 6.795 - IF, Q1 - JCR, 1.524 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2020.09.028>
- ADCA196 MESiarová-Zemánková, Andrea. Ordinal sum construction for uninorms and generalized uninorms. In *International Journal of Approximate Reasoning*, 2016, vol. 76, p. 1-17. (2015: 2.696 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0888-613X. Dostupné na: <https://doi.org/10.1016/j.ijar.2016.04.007>

- ADCA197 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Ordinal sums of representable uninorms. In *Fuzzy Sets and Systems*, 2017, vol. 308, p. 42-53. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2016.07.006>
- ADCA198 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Sensitivity analysis of fuzzy rule-based classification systems by means of the Lipschitz condition. In *Soft Computing*, 2016, vol. 20, no. 1, p. 103-113. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-015-1744-z>
- ADCA199 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. The n-uninorms with continuous underlying t-norms and t-conorms. In *International Journal of General Systems*, 2021, vol. 50, no. 1, p. 92-116. (2020: 2.080 - IF, Q2 - JCR, 0.482 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2020.1863395>
- ADCA200 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. T-norms and t-conorms continuous around diagonals. In *Fuzzy Sets and Systems*, 2016, vol. 299, p. 105-112. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2015.11.001>
- ADCA201 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Uninorms continuous on $[0, e[U-2]e, 1]$ (2). In *Information Sciences*, 2017, vol. 393, p. 130-143. (2016: 4.832 - IF, Q1 - JCR, 1.781 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2017.02.006>
- ADCA202 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav. On invariant IF-state. In *Soft Computing*, 2018, vol. 22, no. 15, p. 5043-5049. (2017: 2.367 - IF, Q2 - JCR, 0.593 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-018-3278-7>
- ADCA203 MING, Hao - WANG, JinRong - FEČKAN, Michal**. The application of fractional calculus in chinese economic growth models. In *Mathematics*, 2019, vol. 7, no. 8. (2018: 1.105 - IF, Q1 - JCR, 0.244 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math7080665>
- ADCA204 MONTEIRO, Giselle Antunes. Adjoint classes of Kurzweil-Stieltjes integrable functions. In *Monatshefte für Mathematik*, 2018, vol. 186, no. 1, p. 175-188. (2017: 0.735 - IF, Q2 - JCR, 0.773 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-017-1071-9>
- ADCA205 NIELEN, L. - OHM, S. - ŠUCH, Ondrej - KLIMO, Martin - WASER, R. - LINN, Eike. Memristive sorting networks enabled by electrochemical metallization cells. In *International Journal on Unconventional Computing*, 2016, vol. 12, no. 4, p. 303-317. (2015: 0.739 - IF, Q3 - JCR, 0.337 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1548-7199.

- ADCA206 NOVOTNÝ, Branislav - NAGY, Milan - KURIN, Elena. Synergy evaluation of non-normalizable dose-response data: Generalization of combination index for the linear effect of drugs. In *Pharmaceutical Statistics*, 2021, vol. 20, p. 982-989. (2020: 1.894 - IF, Q2 - JCR, 1.421 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1539-1604. Dostupné na: <https://doi.org/10.1002/pst.2118>
- ADCA207 OKŠA, Gabriel - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. Asymptotic quadratic convergence of the two-sided serial and parallel block-jacobi svd algorithm. In *Siam Journal on Matrix Analysis and Applications*, 2019, vol. 40, no. 2, p. 639-671. (2018: 1.912 - IF, Q1 - JCR, 1.248 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1095-7162. Dostupné na: <https://doi.org/10.1137/18M1222727>
- ADCA208 OKŠA, Gabriel** - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. Asymptotic quadratic convergence of the parallel block-Jacobi EVD algorithm with dynamic ordering for Hermitian matrices. In *BIT Numerical Mathematics*, 2018, vol. 58, no. 4, p. 1099-1123. (2017: 1.425 - IF, Q2 - JCR, 1.364 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0006-3835. Dostupné na: <https://doi.org/10.1007/s10543-018-0711-3>
- ADCA209 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. Asymptotic quadratic convergence of the serial block-Jacobi EVD algorithm for Hermitian matrices. In *Numerische Mathematik*, 2017, vol. 136, no. 4, p. 1071-1095. (2016: 2.152 - IF, Q1 - JCR, 2.293 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0029-599X. Dostupné na: <https://doi.org/10.1007/s00211-016-0863-5>
- ADCA210 PALMOVSKÝ, Matúš. Kleene closure and state complexity. In *RAIRO : Theoretical Informatics and Applications*, 2016, vol. 50, no. 3, p. 251-261. (2015: 0.319 - IF, Q4 - JCR, 0.301 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0988-3754. Dostupné na: <https://doi.org/10.1051/ita/2016024>
- ADCA211 PINTR, Pavel - PLÁVALOVÁ, Eva - PEŘINOVÁ, Vlasta - LUKŠ, Antonín. Taxonomy of Extrasolar Systems for the Main Sequence Stars. In *Solar System Research*, 2021, vol. 55, no. 6, p. 620-624. (2020: 0.706 - IF, Q4 - JCR, 0.317 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0038-0946. Dostupné na: <https://doi.org/10.1134/S0038094621060101>
- ADCA212 PLÁVALA, Martin. All measurements in a probabilistic theory are compatible if and only if the state space is a simplex. In *Physical Review A*, 2016, vol. 94, no. 4, art. no. 042108. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.94.042108>
- ADCA213 PLÁVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In *Physical Review A*, 2017, vol. 96, no. 5, art. no. 052127, p. [1-17]. (2016: 2.925 - IF, Q1 -

JCR, 1.482 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents).
ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.96.052127>

ADCA214 PLÁVALA, Martin - ZIMAN, Mário. Popescu-Rohrlich box implementation in general probabilistic theory of processes. In *Physics Letters A. General Atomic and Solid State Physics*, 2020, vol. 384, no. 16, 126323. (2019: 2.278 - IF, Q2 - JCR, 0.513 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2020.126323>

ADCA215 PLÁVALOVÁ, Eva - ROSAEV, A. Dynamical effect of the 9:16 resonance with Mars on some Datura asteroids, including the pair Balam and 312497. In *Astronomy and Astrophysics*, 2021, vol. 653, art. nr. A4, p. 1-9. (2020: 5.803 - IF, Q1 - JCR, 2.137 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0004-6361. Dostupné na: <https://doi.org/10.1051/0004-6361/202038742>

ADCA216 PLOŠČICA, Miroslav. Uncountable critical points for congruence lattices. In *Algebra Universalis*, 2016, vol. 76, no. 4, p. 415-429. (2015: 0.344 - IF, Q4 - JCR, 0.385 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0002-5240. Dostupné na: <https://doi.org/10.1007/s00012-016-0411-2>

ADCA217 PÓCS, Jozef - PÓCSOVÁ, Jana. On Bonds for Generalized One-Sided Concept Lattices. In *Mathematics*, 2021, vol. 9, no. 3, art. no. 211, p. 1-12. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9030211>

ADCA218 POSPÍŠIL, Michal - JAROŠ, František. On the representation of solutions of delayed differential equations via Laplace transform. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2016, no. 117, p. 1-13. (2015: 0.732 - IF, Q2 - JCR, 0.602 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2016.1.117>

ADCA219 POSPÍŠIL, Michal. Relative controllability of neutral differential equations with a delay. In *SIAM Journal on Control and Optimization*, 2017, vol. 55, no. 2, p. 835-855. (2016: 1.450 - IF, Q1 - JCR, 1.543 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0363-0129. Dostupné na: <https://doi.org/10.1137/15M1024287>

ADCA220 PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Compatibility of observables on effect algebras. In *Soft Computing*, 2016, vol. 20, no. 10, p. 3957-3967. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-015-1984-y>

ADCA221 PULMANNOVÁ, Sylvia. Congruences and ideals in generalized pseudoeffect algebras revisited. In *Soft Computing*, 2019, vol. 23, no. 3, p. 735-745. (2018: 2.784 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current

Contents). ISSN 1432-7643. Dostupné na:
<https://doi.org/10.1007/s00500-018-3107-z>

- ADCA222 PULMANNOVÁ, Sylvia. Synaptic Algebras as Models for Quantum Mechanics. In *International Journal of Theoretical Physics*, 2021, vol. 60, p. 483-498. (2020: 1.708 - IF, Q3 - JCR, 0.337 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0020-7748. Dostupné na:
<https://doi.org/10.1007/s10773-019-04045-3>
- ADCA223 REN, Lulu - WANG, JinRong - FEČKAN, Michal. Asymptotically periodic solutions for caputo type fractional evolution equations. In *Fractional Calculus and Applied Analysis*, 2018, vol. 21, no. 5, p. 1294-1312. (2017: 2.865 - IF, Q1 - JCR, 1.967 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1311-0454. Dostupné na: <https://doi.org/10.1515/fca-2018-0068>
- ADCA224 REPICKÝ, Miroslav. Cofinality of the laver ideal. In *Archive for Mathematical Logic*, 2016, vol. 55, no. 7-8, p. 1025-1036. (2015: 0.453 - IF, Q3 - JCR, 0.853 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1432-0665. Dostupné na: <https://doi.org/10.1007/s00153-016-0510-y>
- ADCA225 REPICKÝ, Miroslav. Ideal generalizations of Egoroff's theorem. In *Archive for Mathematical Logic*, 2020, vol. 59, p. 957-977. (2019: 0.485 - IF, Q4 - JCR, 0.524 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1432-0665. Dostupné na: <https://doi.org/10.1007/s00153-020-00725-8>
- ADCA226 ROSAEV, A. - PLÁVALOVÁ, Eva*. On relative velocity in very young asteroid families. In *Icarus*, 2018, vol. 304, p. 135-142. (2017: 2.981 - IF, Q2 - JCR, 2.037 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0019-1035. Dostupné na:
<https://doi.org/10.1016/j.icarus.2017.12.031>
- ADCA227 ROSAEV, A. - PLÁVALOVÁ, Eva**. The Fourier approximation for orbital elements for the members of very young asteroid families. In *Planetary and Space Science*, 2021, vol. 202, art. nr. 105233. (2020: 2.030 - IF, Q3 - JCR, 0.696 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0032-0633. Dostupné na:
<https://doi.org/10.1016/j.pss.2021.105233>
- ADCA228 SATHIYARAJ, T. - FEČKAN, Michal - WANG, JinRong. Null controllability results for stochastic delay systems with delayed perturbation of matrices. In *Chaos, Solitons and Fractals*, 2020, vol. 138, 109927, p. 1-11. (2019: 3.764 - IF, Q1 - JCR, 1.036 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0960-0779. Dostupné na: <https://doi.org/10.1016/j.chaos.2020.109927>
- ADCA229 SHER, Muhammad - SHAH, Kamal - FEČKAN, Michal** - RAHMAT ALI, Khan. Qualitative analysis of multi-terms fractional order delay differential equations via the topological degree theory. In *Mathematics*, 2020, vol. 8, no. 218, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na:
<https://doi.org/10.3390/math8020218>

- ADCA230 SI, Yuanchao - WANG, JinRong** - FEČKAN, Michal. Controllability of linear and nonlinear systems governed by Stieltjes differential equations. In *Applied Mathematics and Computation*, 2020, vol. 376, p. 1-24. (2019: 3.472 - IF, Q1 - JCR, 0.969 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0096-3003. Dostupné na: <https://doi.org/10.1016/j.amc.2020.125139>
- ADCA231 SI, Yuanchao - FEČKAN, Michal - WANG, JinRong** - O'REGAN, D. Relative controllability of delay multi-agent systems. In *International Journal of Robust and Nonlinear Control*, 2021, vol. 31, p. 4965-4993. (2020: 4.406 - IF, Q1 - JCR, 1.361 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1049-8923. Dostupné na: <https://doi.org/10.1002/rnc.5517>
- ADCA232 SUO, Leping - FEČKAN, Michal - WANG, JinRong. Quaternion-Valued Linear Impulsive Differential Equations. In *Qualitative Theory of Dynamical Systems*, 2021, vol. 20, p. 1-78. (2020: 1.419 - IF, Q2 - JCR, 0.469 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1575-5460. Dostupné na: <https://doi.org/10.1007/s12346-021-00467-9>
- ADCA233 ŠUCH, Ondrej - BARREDA, Santiago. Bayes covariant multi-class classification. In *Pattern Recognition Letters*, 2016, vol. 84, p. 99-106. (2015: 1.586 - IF, Q2 - JCR, 0.950 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0167-8655. Dostupné na: <https://doi.org/10.1016/j.patrec.2016.08.014>
- ADCA234 ŠUCH, Ondrej** - KLIMO, Martin - KEMP, N.T. - ŠKVAREK, Ondrej. Passive memristor synaptic circuits with multiple timing dependent plasticity mechanisms. In *AEU-International Journal of Electronics and Communications*, 2018, vol. 96, p. 252-259. (2017: 2.115 - IF, Q2 - JCR, 0.420 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1434-8411. Dostupné na: <https://doi.org/10.1016/j.aeue.2018.09.025>
- ADCA235 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. A survey on impulsive fractional differential equations. In *Fractional Calculus and Applied Analysis*, 2016, vol. 19, no. 4, p. 806-831. (2015: 2.246 - IF, Q1 - JCR, 1.551 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1311-0454. Dostupné na: <https://doi.org/10.1515/fca-2016-0044>
- ADCA236 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Approximate controllability of Sobolev type fractional evolution systems with nonlocal conditions. In *Evolution Equations and Control Theory*, 2017, vol. 6, no. 3, p. 471-486. (2016: 0.826 - IF, Q2 - JCR, 0.999 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2163-2480. Dostupné na: <https://doi.org/10.3934/eect.2017024>
- ADCA237 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Center stable manifold for planar fractional damped equations. In *Applied Mathematics and Computation*, 2017, vol. 296, p. 257-269. (2016: 1.738 - IF, Q1 - JCR, 0.944 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0096-3003. Dostupné na: <https://doi.org/10.1016/j.amc.2016.10.014>

- ADCA238 WANG, JinRong - FEČKAN, Michal - GUAN, Yi. Constant Vorticity Ekman Flows in the β -Plane Approximation. In *Journal of Mathematical Fluid Mechanics*, 2021, vol. 23, art. nr. 85. (2020: 1.298 - IF, Q3 - JCR, 1.004 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-6928. Dostupné na: <https://doi.org/10.1007/s00021-021-00612-z>
- ADCA239 WANG, JinRong** - IBRAHIM, Ahmed Gamal - FEČKAN, Michal - ZHOU, Yong. Controllability of fractional non-instantaneous impulsive differential inclusions without compactness. In *IMA Journal of Mathematical Control and Information*, 2019, vol. 36, no. 2, p. 443-460. (2018: 1.000 - IF, Q3 - JCR, 0.454 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0265-0754. Dostupné na: <https://doi.org/10.1093/imamci/dnx055>
- ADCA240 WANG, JinRong** - FEČKAN, Michal - LIU, Shengda. Convergence characteristics of PD-type and PDD-type iterative learning control for impulsive differential systems with unknown initial states. In *Journal of Vibration and Control*, 2018, vol. 24, no. 16, p. 3726-3743. (2017: 2.197 - IF, Q2 - JCR, 0.763 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1077-5463. Dostupné na: <https://doi.org/10.1177/1077546317710159>
- ADCA241 WANG, JinRong - IBRAHIM, Ahmed Gamal - FEČKAN, Michal. Differential inclusions of arbitrary fractional order with anti-periodic conditions in Banach spaces. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2016, no. 34, p. 1-22. (2015: 0.732 - IF, Q2 - JCR, 0.602 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2016.1.34>
- ADCA242 WANG, JinRong - FEČKAN, Michal. Dynamics of a discrete nonlinear prey-predator model. In *International Journal of Bifurcation and Chaos*, 2020, vol. 30, no. 4, art. no. 2050055, p. 1-15. (2019: 2.469 - IF, Q2 - JCR, 0.715 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127420500558>
- ADCA243 WANG, JinRong** - FEČKAN, Michal - WEN, Qian - O'REGAN, Donal. Existence and uniqueness results for modeling jet flow of the antarctic circumpolar current. In *Monatshefte für Mathematik*, 2021, vol. 194, p. 601-621. (2020: 0.808 - IF, Q3 - JCR, 0.719 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-020-01493-6>
- ADCA244 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Fractional order differential switched systems with coupled nonlocal initial and impulsive conditions. In *Bulletin des sciences mathématiques*, 2017, vol. 141, no. 7, p. 727-746. (2016: 0.750 - IF, Q3 - JCR, 0.738 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0007-4497. Dostupné na: <https://doi.org/10.1016/j.bulsci.2017.07.007>
- ADCA245 WANG, JinRong - FEČKAN, Michal - ZHANG, Wenlin. On the nonlocal boundary value problem of geophysical fluid flows. In *Zeitschrift für angewandte*

Mathematik und Physik, 2021, vol. 72, no. 1, art. no. 27. (2020: 1.934 - IF, Q2 - JCR, 0.988 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0044-2275. Dostupné na: <https://doi.org/10.1007/s00033-020-01452-z>

ADCA246 WANG, JinRong - ZHANG, Wenlin - FEČKAN, Michal. Periodic boundary value problem for second-order differential equations from geophysical fluid flows. In *Monatshefte für Mathematik*, 2021, vol. 195, p. 523-540. (2020: 0.808 - IF, Q3 - JCR, 0.719 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-021-01539-3>

ADCA247 WANG, JinRong - LUO, Zijian - FEČKAN, Michal. Relative controllability of semilinear delay differential systems with linear parts defined by permutable matrices. In *European Journal of Control*, 2017, vol. 38, p. 39-46. (2016: 1.944 - IF, Q2 - JCR, 1.271 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0947-3580. Dostupné na: <https://doi.org/10.1016/j.ejcon.2017.08.002>

ADCA248 WANG, JinRong - LI, Mengmeng - O'REGAN, Donal - FEČKAN, Michal**. Robustness for linear evolution equations with non-instantaneous impulsive effects. In *Bulletin des sciences mathématiques*, 2020, vol. 159, p. 1-47. (2019: 1.241 - IF, Q2 - JCR, 0.810 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0007-4497. Dostupné na: <https://doi.org/10.1016/j.bulsci.2019.102827>
<https://doi.org/10.1016/j.bulsci.2019.102827>

ADCA249 WANG, JinRong - FEČKAN, Michal - TIAN, Ying. Stability analysis for a general class of non-instantaneous impulsive differential equations. In *Mediterranean Journal of Mathematics*, 2017, vol. 14, no. 2, art. no. 46. (2016: 0.868 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1660-5446. Dostupné na: <https://doi.org/10.1007/s00009-017-0867-0>

ADCA250 WANG, JinRong - FEČKAN, Michal - DEBBOUCHE, Amar. Time optimal control of a system governed by non-instantaneous impulsive differential equations. In *Journal of Optimization Theory and Applications*, 2019, vol. 182, no. 2, p. 573-587. (2018: 1.600 - IF, Q2 - JCR, 1.086 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0022-3239. Dostupné na: <https://doi.org/10.1007/s10957-018-1313-6>

ADCA251 WANG, Naer - NEDELA, Roman - HU, Kan. Regular dessins uniquely determined by a nilpotent automorphism group. In *Journal of group theory*, 2018, vol. 21, no. 3, p. 397-415. (2017: 0.581 - IF, Q3 - JCR, 0.778 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1433-5883. Dostupné na: <https://doi.org/10.1515/jgth-2017-0044>

ADCA252 WANG, Xiaowen - WANG, JinRong - FEČKAN, Michal. Controllability of conformable differential systems. In *Nonlinear Analysis : Modelling and Control*, 2020, vol. 25, no. 4, p. 658-674. (2019: 2.780 - IF, Q1 - JCR, 0.757 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1392-5113. Dostupné na: <https://doi.org/10.15388/namc.2020.25.18135>

- ADCA253 WANG, Xu - WANG, JinRong - FEČKAN, Michal** - BP neural network calculus in economic growth modelling of the group of seven. In *Mathematics*, 2020, vol. 8, no. 37, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math8010037>
- ADCA254 YAMAMOTO, Yusaku - OKŠA, Gabriel** - VAJTERŠIĆ, Marián. On convergence to eigenvalues and eigenvectors in the block-Jacobi EVD algorithm with dynamic ordering. In *Linear Algebra and its Applications*, 2021, vol. 622, p. 19-45. (2020: 1.401 - IF, Q2 - JCR, 0.951 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0024-3795. Dostupné na: <https://doi.org/10.1016/j.laa.2021.03.027>
- ADCA255 YANG, Peng - WANG, JinRong** - FEČKAN, Michal. Boundedness, periodicity, and conditional stability of noninstantaneous impulsive evolution equations. In *Mathematical Methods in the Applied Sciences*, 2020, vol. 43, p. 5905-5926. (2019: 1.626 - IF, Q2 - JCR, 0.667 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0170-4214. Dostupné na: <https://doi.org/10.1002/mma.6332>
- ADCA256 YANG, Peng - WANG, JinRong** - O'REGAN, D. - FEČKAN, Michal. Inertial manifold for semi-linear non-instantaneous impulsive parabolic equations in an admissible space. In *Communications in Nonlinear Science and Numerical Simulation*, 2019, vol. 75, p. 174-191. (2018: 3.967 - IF, Q1 - JCR, 1.326 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1007-5704. Dostupné na: <https://doi.org/10.1016/j.cnsns.2019.03.029>
- ADCA257 YANG, Peng - WANG, JinRong** - FEČKAN, Michal. Periodic nonautonomous differential equations with noninstantaneous impulsive effects. In *Mathematical Methods in the Applied Sciences*, 2019, vol. 42, p. 3700-3720. (2018: 1.533 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0170-4214. Dostupné na: <https://doi.org/10.1002/mma.5606>
- ADCA258 YOU, Zhongli - FEČKAN, Michal - WANG, JinRong**. On the relative controllability of neutral delay differential equations. In *Journal of Mathematical Physics*, 2021, vol. 62, art. no. 082704. (2020: 1.488 - IF, Q3 - JCR, 0.708 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/5.0055722>
- ADCA259 YOU, Zhongli - FEČKAN, Michal - WANG, JinRong**. Relative controllability of fractional delay differential equations via delayed perturbation of Mittag-Leffler functions. In *Journal of Computational and Applied Mathematics*, 2020, vol. 378, p. 1-16. (2019: 2.037 - IF, Q1 - JCR, 0.870 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0377-0427. Dostupné na: <https://doi.org/10.1016/j.cam.2020.112939>
- ADCA260 YOU, Zhongli - WANG, JinRong** - ZHOU, Yong - FEČKAN, Michal. Representation of solutions and finite time stability for delay differential systems

with impulsive effects. In *International Journal of Nonlinear Sciences and Numerical Simulation*, 2019, vol. 20, no. 2, p. 205-221. (2018: 1.033 - IF, Q3 - JCR, 0.288 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1565-1339. Dostupné na: <https://doi.org/10.1515/ijnsns-2018-0137>

ADCA261 ZHANG, Wenlin - WANG, JinRong** - FEČKAN, Michal. Existence and uniqueness results for a second order differential equation for the ocean flow in arctic gyres. In *Monatshefte für Mathematik*, 2020, vol. 193, no. 1, p. 177-192. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-020-01388-6>

ADCA262 ZHANG, Wenlin - FEČKAN, Michal - WANG, JinRong**. Positive solutions to integral boundary value problems from geophysical fluid flows. In *Monatshefte für Mathematik*, 2020, vol. 193, p. 901-925. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-020-01467-8>

ADCA263 ZHAO, Hou Yu** - FEČKAN, Michal. Analytic Invariant Curves for an Iterative Equation Related to Ricker-type Second-order Equation. In *Acta Mathematica Sinica*, 2021, vol. 37, no. 7, p. 1041-1052. (2020: 0.955 - IF, Q3 - JCR, 0.518 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1439-8516. Dostupné na: <https://doi.org/10.1007/s10114-021-8530-x>

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

ADCB01 ČUNDERLÍKOVÁ, Katarína. Conditional Intuitionistic Fuzzy Mean Value. In *Axioms*, 2021, vol. 10, issue 2, art. no. 97, p. 1-8. (2020: 0.355 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2075-1680. Dostupné na: <https://doi.org/30.3390/axioms10020097>

ADCB02 GUPTA, Vidushi** - DABAS, Jaydev - FEČKAN, Michal. Existence results of solutions for impulsive fractional differential equations. In *Nonautonomous Dynamical Systems*, 2018, vol. 5, no. 1, p. 35-51. ISSN 2353-0626. Dostupné na: <https://doi.org/10.1515/msds-2018-0003>

ADCB03 KOCHOL, Martin. Modifications of Tutte-Grothendieck invariants and Tutte polynomials. In *AKCE International Journal of Graphs and Combinatorics*, 2020, vol. 17, no. 1, p. 70-73. (2019: 0.232 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0972-8600. Dostupné na: <https://doi.org/10.1016/j.akcej.2018.05.001>

ADCB04 WANG, Xiaoling - FEČKAN, Michal - WANG, JinRong**. Forecasting Economic Growth of the Group of Seven via Fractional-Order Gradient Descent Approach. In *Axioms*, 2021, vol. 10, no. 4, art. no. 257. (2020: 0.355 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390-axioms10040257>

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

ADDA01 RÁBOŇOVÁ, Petra - WIMMER, Gejza*. Confidence region for calibration function coefficients. In *Measurement Science Review*, 2018, vol. 18, no. 6, p. 227-235. (2017: 1.345 - IF, Q3 - JCR, 0.441 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1335-8871. Dostupné na: <https://doi.org/10.1515/msr-2018-0031>

ADEA Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)

ADEA01 FEČKAN, Michal - LIU, Kui - WANG, JinRong. (ω, c) -Periodic Solutions of Non-Instantaneous Impulsive Evolution Equations. In *Dynamic Systems & Applications*, 2020, vol. 29, no. 12, p. 3359-3380. (2019: 0.522 - IF, Q4 - JCR, 0.208 - SJR, Q4 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1056-2176. Dostupné na: <https://doi.org/10.46719/dsa202029125>

ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)

ADEB01 BALÁŽ, Vladimír - IACÒ, Maria Rita - STRAUCH, Oto - THONHAUSER, Stefan - TICHY, Robert F. An extremal problem in uniform distribution theory. In *Uniform Distribution Theory*, 2016, vol. 11, no. 2, p. 1-21. ISSN 1336-913X. Dostupné na internete: <<https://math.boku.ac.at/udt/vol11/no2/01BISTT.pdf>>

ADEB02 BUREVA, Veselina - MICHALÍKOVÁ, Alžbeta - SOTIROVA, Evdokia - POPOV, Stanislav - RIEČAN, Beloslav - ROEVA, Olympia. Application of the InterCriteria analysis to the universities rankings system in the Slovak Republic. In *Notes on Intuitionistic Fuzzy Sets*, 2017, vol. 23, no. 2, p. 128-140. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/mediawiki/images/8/84/NIFS-23-2-128-140.pdf>>

ADEB03 CUVALCIOGLU, Gokhan - BUREVA, Veselina - MICHALÍKOVÁ, Alžbeta. Intercriteria analysis applied to university ranking system of Turkey. In *Notes on Intuitionistic Fuzzy Sets*, 2019, vol. 25, no. 4, p. 90-97. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2019.25.4.90-97>

ADEB04 ČECH, Radek - KOSEK, Pavel - MAČUTEK, Ján - NAVRÁTILOVÁ, Olga. Proč (někdy) nemíchat texty aneb Text jako možná výchozí jednotka lingvistické analýzy. In *Naše řeč*, 2020, vol. 103, no. 1-2, p. 24-36. ISSN 0027-8203.

ADEB05 ČECH, Radek - KOSEK, Pavel - MAČUTEK, Ján - NOGOLOVÁ, Michaela. (Ne)stabilita českého biblického překladu: diachronní stylometrická analýza. In *Clavibus unitis*, 2021, vol. 10, no. 2, p. 151-156. ISSN 1803-7747.

ADEB06 ČUNDERLÍKOVÁ, Katarína. A note on mean value and dispersion of intuitionistic fuzzy events. In *Notes on Intuitionistic Fuzzy Sets*, 2020, vol. 26, no. 4, p. 1-8. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2020.26.4.1-8>

ADEB07 ČUNDERLÍKOVÁ, Katarína. Conditional intuitionistic fuzzy probability and martingale convergence theorem using IF-probability. In *Notes on Intuitionistic Fuzzy Sets*, 2020, vol. 26, no. 3, p. 13-21. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2020.26.3.13-21>

- ADEB08 ČUNDERLÍKOVÁ, Katarína. Connection between interval-valued observables and intuitionistic fuzzy observables. In *Notes on Intuitionistic Fuzzy Sets*, 2019, vol. 25, no. 1, p. 32-42. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2019.25.1.32-42>
- ADEB09 ČUNDERLÍKOVÁ, Katarína. Individual ergodic theorem for intuitionistic fuzzy observables using IF-probability. In *Notes on Intuitionistic Fuzzy Sets*, 2019, vol. 25, no. 4, p. 37-47. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2019.25.4.37-47>
- ADEB10 ČUNDERLÍKOVÁ, Katarína. Intuitionistic fuzzy partition. In *Notes on Intuitionistic Fuzzy Sets*, 2017, vol. 23, no. 3, p. 44-53. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/mediawiki/images/a/a7/NIFS-23-3-44-53.pdf>>
- ADEB11 ČUNDERLÍKOVÁ, Katarína. Martingale convergence theorem for a conditional intuitionistic fuzzy mean value. In *Notes on Intuitionistic Fuzzy Sets*, 2021, vol. 27, no. 2, p. 94-102. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2021.27.2.94-102>
- ADEB12 ČUNDERLÍKOVÁ, Katarína. m-almost everywhere convergence of intuitionistic fuzzy observables induced by Borel measurable function. In *Notes on Intuitionistic Fuzzy Sets*, 2019, vol. 25, no. 2, p. 29-40. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2019.25.2.29-40>
- ADEB13 ČUNDERLÍKOVÁ, Katarína - BARTKOVÁ, Renáta. The Pickands-Balkema-de Haan theorem for intuitionistic fuzzy events. In *Notes on Intuitionistic Fuzzy Sets*, 2018, vol. 24, no. 2, p. 63-75. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/mediawiki/images/7/73/NIFS-24-2-063-075.pdf>>
- ADEB14 ČUNDERLÍKOVÁ, Katarína. Upper and lower limits and m-almost everywhere convergence of intuitionistic fuzzy observables. In *Notes on Intuitionistic Fuzzy Sets*, 2018, vol. 24, no. 4, p. 40-49. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/images/2/26/NIFS-24-4-040-049.pdf>>
- ADEB15 DOBREV, Stefan - KRÁLOVIČ, Rastislav - SANTORO, Nicola. On the cost of walking up. In *International Journal of Networking and Computing*, 2017, vol. 7, no. 2, p. 336-348. ISSN 2185-2839. Dostupné na internete: <<http://www.ijnc.org/index.php/ijnc/article/view/157/160>>
- ADEB16 DORA, Jean Rosemond - NEMOGA, Karol. Clone Node Detection Attacks and Mitigation Mechanisms in Static Wireless Sensor Networks. In *Journal of Cybersecurity and Privacy*, 2021, vol. 1, no. 4, p. 553-579. ISSN 2624-800X. Dostupné na: <https://doi.org/10.3390/jcp1040028>
- ADEB17 DORA, Jean Rosemond - NEMOGA, Karol. Ontology for Cross-Site-Scripting (XSS) Attack in Cybersecurity. In *Journal of Cybersecurity and Privacy*, 2021, vol. 1, no. 2, p. 319-339. ISSN 2624-800X. Dostupné na: <https://doi.org/10.3390/jcp1020018>

- ADEB18 ĎURIŠ, S. - ĎURIŠOVÁ, Z. - PALENČÁR, J. - PAVLÁSEK, P. - WIMMER, Gejza - WITKOVSKÝ, Viktor. Evaluation of gas mixture components dosing using the gravimetric method for preparation of primary reference material of ethanol in nitrogen. In *Izmeriteľná technika*, 2019, no. 4, p. 14-18. ISSN 0368-1025. Dostupné na: <https://doi.org/10.32446/0368-1025it.2019-4-14-18>
- ADEB19 DVUREČENSKIJ, Anatolij** - ZAHIRI, Omid. What are pseudo EMV-algebras? In *Journal of Algebraic Hyperstructures and Logical Algebras*, 2020, vol. 1, no. 1, p. 1-20. ISSN 2676-6000. Dostupné na: <https://doi.org/10.29252/hatef.jahla.1.1.1>
- ADEB20 FEČKAN, Michal - PAČUTA, Július - POSPÍŠIL, Michal - VIDLIČKA, Pavol. Averaging methods for piecewise-smooth ordinary differential equations. In *AIMS Mathematics*, 2019, vol. 4, no. 5, p. 1466-1487. (2019 - Current Contents). ISSN 2473-6988.
- ADEB21 FEČKAN, Michal** - WANG, Xu - WANG, JinRong. Data-driven Analysis and Prediction of Fractional Order SIR Model for COVID-19. In *Numerical Analysis and Applicable Mathematics*, 2021, vol. 2, no. 3, p. 9-17. ISSN 2582-8274. Dostupné na: <https://doi.org/10.36686/Ariviyal.NAAM.2021.02.03.009>
- ADEB22 JIRÁSKOVÁ, Galina - SZABARI, Alexander - ŠEBEJ, Juraj. The complexity of languages resulting from the concatenation operation. In *Journal of Automata, Languages and Combinatorics*, 2017, vol. 22, no. 1-3, p. 123-143. ISSN 1430-189X.
- ADEB23 KACPRZYK, J. - ČUNDERLÍKOVÁ, Katarína - ANGELOVA, Nora - ATANASSOV, Krassimir T. Modifications of the Goguen's intuitionistic fuzzy implication. In *Notes on Intuitionistic Fuzzy Sets*, 2021, vol. 27, no. 4, p. 20-29. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2021.27.4.20-29>
- ADEB24 KLUVANCOVÁ, Daniela - RIEČAN, Beloslav. On IF-numbers. In *Notes on Intuitionistic Fuzzy Sets*, 2016, vol. 22, no. 3, p. 9-14. ISSN 1310-4926. Dostupné na internete: <<http://www.ifigenia.org/mediawiki/images/a/ae/NIFS-22-3-009-013.pdf>>
- ADEB25 KUZNETSOV, E. D. - ROSAEV, A. - PLÁVALOVÁ, Eva - SAFRONOVA, V. S. Age estimation of asteroid pair with close orbits. In *INASAN Science Reports*, 2020, vol. 5, no. 2, p. 52-55. ISSN 2712-8318. Dostupné na: <https://doi.org/10.26087/INASAN.2020.5.2.003>
- ADEB26 LI, Mengmeng - WANG, JinRong - FEČKAN, Michal**. Periodic solutions for impulsive differential systems. In *Communications in Mathematical Analysis*, 2018, vol. 21, no. 2, p. 35-46. (2017: 0.145 - SJR, Q4 - SJR). ISSN 1938-9787.
- ADEB27 MEDVEĎ, Milan - POSPÍŠIL, Michal. Representation of solutions of systems of linear differential equations with multiple delays and linear parts given by nonpermutable matrices. In *Nonlinear Oscillations*, 2016, vol. 19, no. 4, p. 521-532. ISSN 1562-3076.

- ADEB28 MICHALÍKOVÁ, Alžbeta. Intuitionistic fuzzy sets and their use in image classification. In *Notes on Intuitionistic Fuzzy Sets*, 2019, vol. 25, no. 2, p. 60-66. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2019.25.2.60-66>
- ADEB29 MICHALÍKOVÁ, Alžbeta. Intuitionistic fuzzy negations and their use in image classification. In *Notes on Intuitionistic Fuzzy Sets*, 2020, vol. 26, no. 3, p. 22-32. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2020.26.3.22-32>
- ADEB30 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav*. On some methods of study of states on interval valued fuzzy sets. In *Notes on Intuitionistic Fuzzy Sets*, 2018, vol. 24, no. 4, p. 5-12. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2018.24.4.5-12>
- ADEB31 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav*. On some methods of probability. In *Notes on Intuitionistic Fuzzy Sets*, 2018, vol. 24, no. 2, p. 76-83. ISSN 1310-4926. Dostupné na internete: <http://ifigenia.org/mediawiki/images/4/41/NIFS-24-2-076-083.pdf>
- ADEB32 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav. On the Lebesgue IF-measure. In *Notes on Intuitionistic Fuzzy Sets*, 2017, vol. 23, no. 2, p. 8-12. ISSN 1310-4926. Dostupné na internete: <http://ifigenia.org/mediawiki/images/5/57/NIFS-23-2-008-012.pdf>
- ADEB33 MIŠÍK, Ladislav - PORUBSKÝ, Štefan - STRAUCH, Oto. Uniform distribution of the weighted sum-of-digits functions. In *Uniform Distribution Theory*, 2021, vol. 16, no. 1, p. 93-126. ISSN 1336-913X. Dostupné na: <https://doi.org/10.2478/udt-2021-0005>
- ADEB34 OHKUBO, Yukio - STRAUCH, Oto. Distribution of leading digits of numbers. In *Uniform Distribution Theory*, 2016, vol. 11, no. 1, p. 23-45. ISSN 1336-913X. Dostupné na internete: <https://math.boku.ac.at/udt/vol11/no1/03OhkuStrauch.pdf>
- ADEB35 OHKUBO, Yukio - STRAUCH, Oto*. Distribution of leading digits of numbers II. In *Uniform Distribution Theory*, 2019, vol. 14, no. 1, p. 19-42. ISSN 1336-913X. Dostupné na: <https://doi.org/10.2478/udt-2019-0003>
- ADEB36 POSPÍŠIL, Michal. Note on fractional difference equations with periodic and S-asymptotically periodic right-hand side. In *Nonlinear Oscillations*, 2021, vol. 24, no. 1, art. no. 1339, p. 99-109. ISSN 1562-3076.
- ADEB37 REN, Lulu - WANG, JinRong - FEČKAN, Michal. Periodic mild solutions of impulsive fractional evolution equations. In *AIMS Mathematics*, 2019, vol. 5, no. 1, p. 497-506. (2019 - Current Contents). ISSN 2473-6988. Dostupné na: <https://doi.org/10.3934/math.2020033>
- ADEB38 RIEČAN, Beloslav. On IF-semistates. In *Notes on Intuitionistic Fuzzy Sets*, 2016, vol. 22, no. 1, p. 27-34. ISSN 1310-4926. Dostupné na internete: <http://ifigenia.org/mediawiki/images/5/50/NIFS-22-1-27-34.pdf>

ADEB39 RIEČAN, Beloslav - MARKECHOVÁ, Dagmar. φ -entropy of IF-partitions. In *Notes on Intuitionistic Fuzzy Sets*, 2017, vol. 23, no. 3, . p. 9-16. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/mediawiki/images/f/fd/NIFS-23-3-09-16.pdf>>

ADEB40 STRAUCH, Oto. Mahler's Conjecture on $\xi(3/2) \bmod 1$. In *Uniform Distribution Theory*, 2021, vol. 16, no. 2, p. 49-70. ISSN 1336-913X. Dostupné na: <https://doi.org/10.2478/UDT-2021-0007>

ADEB41 TISHEVA, Diana - RIEČAN, Beloslav - ATANASSOV, Krassimir T. On intuitionistic fuzzy norms and distances generated by the intuitionistic fuzzy substractions $\neg'11$ and $\neg''11$. In *Notes on Intuitionistic Fuzzy Sets*, 2016, vol. 22, no. 1, p. 7-12. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/mediawiki/images/8/8e/NIFS-22-1-07-12.pdf>>

ADEB42 WIMMER, Gejza - WITKOVSKÝ, Viktor. Analysis of the uncertainty in length measurement during the calibration of gauge block on the example of S4 from document EA-4/02 M:2013. In *Izmeriteľ'naja tehnika*, 2019, no. 4, p. 19-25. ISSN 0368-1025. Dostupné na: <https://doi.org/10.32446/0368-1025it.2019-4-19-25>

ADFB Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)

ADFB01 HAJOSSY, Rudolf. Kto vymyslel Pytagorovu vetu? In *Obzory matematiky, fyziky a informatiky*, 2017, roč. 46, č. 1, s. 15-26. ISSN 1335-4981.

ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus

ADMA01 AK GÜMÜS, Özlem - FEČKAN, Michal. Stability, Neimark-Sacker bifurcation and chaos control for a prey-predator system with harvesting effect on predator. In *Miskolc Mathematical Notes*, 2021, vol. 22, no. 2, p. 663-679. (2020: 1.085 - IF, Q2 - JCR, 0.443 - SJR, Q2 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2021.3450>

ADMA02 BALKO, Ľudovít - MACKO, Tibor** - NIEPEL, Martin - RUSIN, Tomáš. Higher simple structure sets of lens spaces with the fundamental group of order $2\sup K/\sup$. In *Topology and its Applications*, 2019, vol. 263, p. 299-320. (2018: 0.416 - IF, Q4 - JCR, 0.574 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2019.06.042>

ADMA03 BYUN, Yanghyun - KORBAŠ, Július - ZVENGROWSKI, Peter. Vector fields on projective Stiefel manifolds and the Browder-Dupont invariant. In *Topology and its Applications*, 2020, vol. 284, art. no. 107364, p. 1-18,. (2019: 0.531 - IF, Q4 - JCR, 0.594 - SJR, Q3 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2020.107364>

ADMA04 CATERINO, A - CEPPITELLI, R** - HOLÁ, Ľubica. On the jointly continuous utility representation problem. In *Topology and its Applications*, 2019, vol. 268, p. 1-13. (2018: 0.416 - IF, Q4 - JCR, 0.574 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2019.106919>

- ADMA05 CROWLEY, Diarmuid - MACKO, Tibor*. On the cardinality of the manifold set. In *Geometriae Dedicata*, 2019, vol. 200, no. 1, p. 265-285. (2018: 0.513 - IF, Q4 - JCR, 0.839 - SJR, Q2 - SJR). ISSN 0046-5755. Dostupné na: <https://doi.org/10.1007/s10711-018-0370-1>
- ADMA06 ČUNDERLÍKOVÁ, Katarína**. Individual ergodic theorem for intuitionistic fuzzy observables using intuitionistic fuzzy state. In *Iranian Journal of Fuzzy Systems*, 2020, vol. 17, no. 5, p. 13-22. (2019: 2.276 - IF, Q1 - JCR, 0.512 - SJR, Q2 - SJR). ISSN 1735-0654. Dostupné na: <https://doi.org/10.22111/ijfs.2020.5510>
- ADMA07 ČUNDERLÍKOVÁ, Katarína**. Product operation and joint interval valued observable. In *Iranian Journal of Fuzzy Systems*, 2020, vol. 17, no. 4, p. 1-6. (2019: 2.276 - IF, Q1 - JCR, 0.512 - SJR, Q2 - SJR). ISSN 1735-0654. Dostupné na: <https://doi.org/10.22111/ijfs.2020.5401>
- ADMA08 DERBAZI, Choukri - BAITICHE, Zidane - FEČKAN, Michal. Some new uniqueness and Ulam stability results for a class of multiterms fractional differential equations in the framework of generalized Caputo fractional derivative using the Φ -fractional Bielecki-type norm. In *Turkish Journal of Mathematics*, 2021, vol. 45, p. 2307-2322. (2020: 0.803 - IF, Q3 - JCR, 0.454 - SJR, Q2 - SJR). ISSN 1300-0098. Dostupné na: <https://doi.org/10.3906/mat-2011-92>
- ADMA09 DOBREV, Stefan - KRANAKIS, E. - KRIZANC, D. - LAFOND, Manuel - MAŇUCH, Ján - NARAYANAN, Lata - OPATRNY, Jaroslav - STACHO, Ladislav. Weak Coverage of a Rectangular Barrier. In *Algorithmica*, 2020, vol. 82, no. 4, p. 721-746. (2019: 0.650 - IF, Q4 - JCR, 0.565 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0178-4617. Dostupné na: <https://doi.org/10.1007/s00453-019-00611-7>
- ADMA10 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Some results on L-complete lattices. In *Iranian Journal of Fuzzy Systems*, 2016, vol. 13, no. 6, p. 135-152. (2015: 0.381 - IF, Q4 - JCR, 0.264 - SJR, Q3 - SJR). ISSN 1735-0654.
- ADMA11 ELIAŠ, Peter. A Galois connection related to restrictions of continuous real functions. In *Topology and its Applications*, 2019, vol. 265, p. 1-14. (2018: 0.416 - IF, Q4 - JCR, 0.574 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2019.07.007>
- ADMA12 ESTÉLYI, István - KARABÁŠ, Ján - NEDELA, Roman - MEDNYKH, Alexander. On a representation of the automorphism group of a graph in a unimodular group. In *Discrete Mathematics*, 2021, vol. 344, art. nr. 112606. (2020: 0.870 - IF, Q3 - JCR, 0.785 - SJR, Q1 - SJR). ISSN 0012-365X. Dostupné na: <https://doi.org/10.1016/j.disc.2021.112606>
- ADMA13 FEČKAN, Michal - POSPÍŠIL, Michal. On equations with generalized periodic right-hand side. In *Ukrainian Mathematical Journal*, 2018, vol. 70, no. 2, p. 288-318. (2017: 0.343 - IF, Q4 - JCR, 0.325 - SJR, Q3 - SJR). ISSN 0041-5995. Dostupné na: <https://doi.org/10.1007/s11253-018-1501-4>

- ADMA14 FELAHAT, M. - KADKHODA, Nematollah - FEČKAN, Michal**. Investigation of solutions to the fractional integro-differential equations of Bratu-type using legendre wavelets method. In *Miskolc Mathematical Notes*, 2020, vol. 21, no. 1, p. 189-202. (2019: 0.677 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2020.2994>
- ADMA15 FIALA, Jiří - KLAVÍK, Pavel - KRATOCHVÍL, Jan - NEDELA, Roman. 3-connected reduction for regular graph covers. In *European Journal of Combinatorics*, 2018, vol. 73, p. 170-210. (2017: 0.928 - IF, Q2 - JCR, 1.380 - SJR, Q1 - SJR). ISSN 0195-6698. Dostupné na: <https://doi.org/10.1016/j.ejc.2018.06.002>
- ADMA16 FOULIS, David J - PULMANNOVÁ, Sylvia**. Spectral order on a synaptic algebra. In *Order : a Journal on the Theory of Ordered Sets and its Applications*, 2019, vol. 36, p. 1-17. (2018: 0.424 - IF, Q4 - JCR, 0.366 - SJR, Q3 - SJR). ISSN 0167-8094. Dostupné na: <https://doi.org/10.1007/s11083-018-9451-x>
- ADMA17 FOULIS, David J - PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Unitizations of generalized pseudo effect algebras and their ideals. In *Order*, 2016, vol. 33, no. 2, p. 311-332. (2015: 0.614 - IF, Q2 - JCR, 0.800 - SJR, Q2 - SJR). ISSN 0167-8094. Dostupné na: <https://doi.org/10.1007/s11083-015-9368-6>
- ADMA18 HALUŠKOVÁ, Emília. Monounary algebras with easy direct limits. In *Miskolc Mathematical Notes*, 2018, vol. 19, no. 1, p. 291-302. (2017: 0.585 - IF, Q3 - JCR, 0.345 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2018.1744>
- ADMA19 HOLÁ, Ľubica - KOČINAC, Ljubiša D.R. Boundedness properties in function spaces. In *Quaestiones Mathematicae*, 2018, vol. 41, no. 6, p. 829-838. (2017: 0.428 - IF, Q4 - JCR, 0.343 - SJR, Q3 - SJR). ISSN 1607-3606. Dostupné na: <https://doi.org/10.2989/16073606.2017.1402830>
- ADMA20 HOLÁ, Ľubica - HOLÝ, Dušan**. Compactness in function spaces. In *Topology and its Applications*, 2019, vol. 262, p. 20-29. (2018: 0.416 - IF, Q4 - JCR, 0.574 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2019.05.005>
- ADMA21 HOLÁ, Ľubica. Embeddings in the Fell and Wijsman Topologies. In *Filomat*, 2019, vol. 33, no. 9, p. 2747-2750. (2018: 0.789 - IF, Q2 - JCR, 0.383 - SJR, Q2 - SJR). ISSN 0354-5180. Dostupné na: <https://doi.org/10.2298/FIL1909747H>
- ADMA22 HOLÁ, Ľubica - HOLÝ, Dušan**. Metrizability of the space of quasicontinuous functions. In *Topology and its Applications*, 2018, vol. 246, p. 137-143. (2017: 0.549 - IF, Q3 - JCR, 0.609 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2018.07.001>
- ADMA23 HOLÁ, Ľubica - KWIECIŃSKA, Grazyna. Pointwise topological convergence and topological graph convergence of set-valued maps. In *Filomat*, 2017, vol. 31, no. 9, p. 2779-2785. (2016: 0.695 - IF, Q2 - JCR, 0.762 - SJR, Q2 - SJR). ISSN 0354-5180. Dostupné na: <https://doi.org/10.2298/FIL1709779H>

- ADMA24 HOLÁ, Ľubica - HOLÝ, Dušan. Quasicontinuous functions and the topology of pointwise convergence. In *Topology and its Applications*, 2020, vol. 282, art. no. 107301. (2019: 0.531 - IF, Q4 - JCR, 0.594 - SJR, Q3 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2020.107301>
- ADMA25 HOLÁ, Ľubica - KOČINAC, Ljubiša D.R.**. Uniform boundedness in function spaces. In *Topology and its Applications*, 2018, vol. 241, p. 242-251. (2017: 0.549 - IF, Q3 - JCR, 0.609 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2018.04.006>
- ADMA26 HU, Kan - NEDELA, Roman* - WANG, Naer. Complete regular dessins of odd prime power order. In *Discrete Mathematics*, 2019, vol. 342, p. 314-325. (2018: 0.728 - IF, Q3 - JCR, 0.899 - SJR, Q1 - SJR). ISSN 0012-365X. Dostupné na: <https://doi.org/10.1016/j.disc.2018.09.028>
- ADMA27 HU, Kan - JONES, Gareth A. - NEDELA, Roman - WANG, Naer. Non-abelian almost totally branched coverings over the platonic maps. In *European Journal of Combinatorics*, 2016, vol. 51, p. 1-11. (2015: 0.650 - IF, Q2 - JCR, 1.051 - SJR, Q1 - SJR). ISSN 0195-6698. Dostupné na: <https://doi.org/10.1016/j.ejc.2015.04.008>
- ADMA28 JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Tensor Product of Dimension Effect Algebras. In *Order : a Journal on the Theory of Ordered Sets and its Applications*, 2021, vol. 38, p. 377-389. (2020: 0.616 - IF, Q4 - JCR, 0.465 - SJR, Q3 - SJR). ISSN 0167-8094. Dostupné na: <https://doi.org/10.1007/s11083-020-09546-z>
- ADMA29 KADKHODA, Nematollah** - FEČKAN, Michal - KHALILI, Yasser. Application of the $\exp(-)$ -expansion method to the Pochhammer-Chree equation. In *Filomat*, 2018, vol. 32, no. 9, p. 3347-3354. (2017: 0.635 - IF, Q3 - JCR, 0.384 - SJR, Q3 - SJR). ISSN 0354-5180. Dostupné na: <https://doi.org/10.2298/FIL1809347K>
- ADMA30 MIAO, Fahe - FEČKAN, Michal - WANG, JinRong**. A new approach to study constant vorticity water flows in the β -plane approximation with centripetal forces. In *Dynamics of Partial Differential Equations*, 2021, vol. 18, no. 3, p. 199-210. (2020: 0.968 - IF, Q3 - JCR, 1.045 - SJR, Q1 - SJR). ISSN 1548-159X. Dostupné na: <https://doi.org/10.4310/DPDE.2021.v18.n3.a2>
- ADMA31 POSPÍŠIL, Michal**. Representation of solutions of systems of linear differential equations with multiple delays and nonpermutable variable coefficients. In *Mathematical Modelling and Analysis*, 2020, vol. 25, no. 2, p. 303-322. (2019: 0.957 - IF, Q2 - JCR, 0.351 - SJR, Q3 - SJR). ISSN 1392-6292. Dostupné na: <https://doi.org/10.3846/mma.2020.11194>
- ADMA32 SEEMAB, Arjumand - REHMAN, Mujeeb ur - FEČKAN, Michal - ALZABUT, Jehad - ABBAS, Syed. On the Existence and Ulam–Hyers Stability of a New Class of (ϕ, χ) -Fractional Differential Equations With Impulses. In *Filomat*, 2021, vol. 35, no. 6, p. 1977-1991. (2020: 0.844 - IF, Q3 - JCR, 0.449 - SJR, Q2 - SJR). ISSN 0354-5180. Dostupné na: <https://doi.org/10.2298/FIL2106977S>

ADMA33 WANG, JinRong - FEČKAN, Michal*. Periodic solutions and stability of linear evolution equations with noninstantaneous impulses. In *Miskolc Mathematical Notes*, 2019, vol. 20, no. 2, p. 1299-1313. (2018: 0.468 - IF, Q4 - JCR, 0.302 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2019.2552>

ADMA34 ZHAO, Hou Yu - FEČKAN, Michal. Pseudo almost periodic solutions of an iterative equation with variable coefficients. In *Miskolc Mathematical Notes*, 2017, vol. 18, no. 1, p. 515-524. (2016: 0.388 - IF, Q4 - JCR, 0.291 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2017.2047>

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 AGAOGLOU, Makrina - FEČKAN, Michal** - PANAGIOTIDOU, Angeliki P. Existence and uniqueness of (ω, c) -periodic solutions of semilinear evolution equations. In *International Journal of Dynamical Systems and Differential Equations : Int J Dynamical Systems and Differential Equations*, 2020, vol. 10, no. 2, p. 149-166. (2019: 0.144 - SJR, Q3 - SJR). ISSN 1752-3583. Dostupné na: <https://doi.org/10.1504/IJDSDE.2020.106027>

ADMB02 AGAOGLOU, Makrina - FEČKAN, Michal - POSPÍŠIL, Michal - ROTHOS, Vassilis M. - VAKAKIS, Alexander F. Periodically forced nonlinear oscillatory acoustic vacuum. In *Axioms*, 2018, vol. 7, no. 4, art. no. 69, p. [1-13]. ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390/axioms7040069>

ADMB03 BALKO, Ľudovít - MACKO, Tibor* - NIEPEL, Martin - RUSIN, Tomáš. Higher simple structure sets of lens spaces with the fundamental group of arbitrary order. In *Archivum Mathematicum*, 2019, vol. 55, p. 267-280. (2018: 0.223 - SJR, Q3 - SJR). ISSN 0044-8753. Dostupné na: <https://doi.org/10.5817/AM2019-5-267>

ADMB04 BARTKOVÁ, Renáta - ČUNDERLÍKOVÁ, Katarína*. About Fisher-Tippett-Gnedenko theorem for intuitionistic fuzzy events. In *Advances in Intelligent Systems and Computing : Advances in Fuzzy Logic and Technology 2017*, 2018, vol. 641, p. 125-135. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-66830-7_12

ADMB05 BEČKA, Martin - OKŠA, Gabriel. New approach to local computations in the parallel one-sided Jacobi SVD algorithm. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*. - Heidelberg : Springer, 2016, vol. 9573, p. 605-617. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-32149-3_56

ADMB06 BEČKA, Martin - OKŠA, Gabriel - VIDLIČKOVÁ, Eva. New preconditioning for the one-sided block-Jacobi SVD algorithm. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*, 2018, vol. 10777, p. 590-599. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-78024-5_51

- ADMB07 BEČKA, Martin - OKŠA, Gabriel**. Preconditioned Jacobi SVD Algorithm Outperforms PDGESVD. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*, 2020, vol. 12043, p. 555-566. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-43229-4_47
- ADMB08 BOKES, Pavol** - HOJCKA, Michal - SINGH, Abhyudai. Buffering gene expression noise by microRNA based feedforward regulation. In *Lecture Notes in Bioinformatics : Computational Methods in Systems Biology*, 2018, vol. 11095, p. 129-145. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-99429-1_8
- ADMB09 BORSÍK, Ján. Points of uniform convergence and quasicontinuity. In *European Journal of Mathematics*, 2019, vol. 5, no. 2, p. 174-185. (2018: 0.632 - SJR, Q2 - SJR). ISSN 2199-675X. Dostupné na: <https://doi.org/10.1007/s40879-018-0303-4>
- ADMB10 BRZOZOWSKI, Janusz - JIRÁSKOVÁ, Galina - LIU, Bo - RAJASEKARAN, Aayush - SZYKUŁA, Marek. On the state complexity of the shuffle of regular languages. In *Lecture Notes in Computer Science : Descriptive Complexity of Formal Systems*, 2016, vol. 9777, p. 73-86. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-41114-9_6
- ADMB11 BUTKA, Peter - PÓCS, Jozef** - PÓCSOVÁ, Jana. Isotone galois connections and generalized one-sided concept lattices. In *Advances in Intelligent Systems and Computing : Multimedia and Network Information Systems*, 2019, vol. 833, p. 151-160. (2018: 0.174 - SJR, Q3 - SJR). ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-98678-4_17
- ADMB12 BUTKA, Peter - PÓCS, Jozef** - PÓCSOVÁ, Jana. Note on aggregation functions and concept forming operators. In *Advances in Intelligent Systems and Computing : New Trends in Aggregation Theory*, 2019, vol. 981, p. 279-288. (2018: 0.174 - SJR, Q3 - SJR). ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-030-19494-9_26
- ADMB13 BUTKA, Peter - PÓCS, Jozef - PÓCSOVÁ, Jana. Two-step reduction of GOSCL based on subsets quality measure and stability index. In *Multimedia and Network Information Systems : Proceedings of the 10th International Conference MISSI 2016*, 2017, vol. 506, p. 419-429. ISBN 978-3-319-43981-5. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-43982-2_36
- ADMB14 CATERINO, Alessandro - CEPPITELLI, Rita - HOLÁ, Ľubica. Jointly Continuous Multi-utility Representations on Non-total Preorders. In *Mathematical Topics on Representations of Ordered Structures and Utility Theory : Studies in Systems, Decision and Control*. 263. - Cham : Springer, 2020, 2020, p. 237-254. (2019: 0.136 - SJR, Q3 - SJR). ISBN 978-3-030-34225-8. ISSN 2198-4182. Dostupné na: https://doi.org/10.1007/978-3-030-34226-5_12
- ADMB15 CELIK, Candan - BOKES, Pavol - SINGH, Abhyudai. Protein Noise and Distribution in a Two-Stage Gene-Expression Model Extended by an mRNA

Inactivation Loop. In *Computational Methods in Systems Biology : Proceedings LNCS 12881*. - Springer International Publishing, 2021, 2021, p. 215-229. (2020: 0.249 - SJR, Q3 - SJR). ISBN 978-3-030-85632-8. Dostupné na: https://doi.org/10.1007/978-3-030-85633-5_13

ADMB16 CZYZOWICZ, Jurek - DOBREV, Stefan - KRANAKIS, E. - PACHECO, Eduardo. Survivability of bouncing robots. In *Discrete Mathematics Algorithms and Applications*, 2016, vol. 8, no. 3, art. no. 1650042. (2016 - WOS). ISSN 1793-8309. Dostupné na: <https://doi.org/10.1142/S1793830916500427>

ADMB17 ČECH, Radek - KOSEK, Pavel - NAVRÁTILOVÁ, Olga - MAČUTEK, Ján. On the impact of the initial phrase length on the position of enclitics in Old Czech. In *Language and Text: Data, models, information and applications*. - Amsterdam : John Benjamin Publishing Company, 2021, p. 9-20. ISBN 978-90-272-1010-4. Dostupné na: <https://doi.org/10.1075/cilt.356/01cec>

ADMB18 ČUNDERLÍKOVÁ, Katarína - RIEČAN, Beloslav. Convergence of Intuitionistic Fuzzy Observables. In *Advances in Intelligent Systems and Computing*. Uncertainty and Imprecision in Decision Making and Decision Support: New Challenges, Solutions and Perspectives. - Cham : Springer, 2021, 2021, vol. 1081, p. 29-39. ISBN 978-3-030-47023-4. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-030-47024-1_4

ADMB19 ČUNDERLÍKOVÁ, Katarína - RIEČAN, Beloslav. On an intuitionistic fuzzy probability theory. In *Advances in Intelligent Systems and Computing : Dependability Engineering and Complex Systems*. - Wroclaw : Springer, 2016, vol. 401, p. 125-136. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-26211-6_11

ADMB20 ČUNDERLÍKOVÁ, Katarína** - RIEČAN, Beloslav. On two formulations of the representation theorem for an IF-state. In *Advances in Intelligent Systems and Computing : Uncertainty and Imprecision in Decision Making and Decision Support: Cross-Fertilization, New Models, and Applications*, 2018, vol. 559, p. 65-70. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-65545-1_7

ADMB21 DANCA, Marius-F. - FEČKAN, Michal - POSPÍŠIL, Michal. Difference equations with impulses. In *Opuscula Mathematica*, 2019, vol. 39, no. 1, p. 5-22. (2018: 0.685 - SJR, Q2 - SJR). ISSN 1232-9274. Dostupné na: <https://doi.org/10.7494/OpMath.2019.39.1.5>

ADMB22 DAVIES, Sylvie - HOSPODÁR, Michal*. Square, power, positive closure, and complementation on star-free languages. In *Lecture Notes in Computer Science*, 2019, vol. 11612, p. 98-110. (2018: 0.283 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-23247-4_7

ADMB23 DI LUNA, G. - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Live exploration of dynamic rings. In *IEEE International Conference on Distributed Computing Systems*, 2016, p. 570-579. (2015: 0.461 - SJR). (2016 - SCOPUS). ISSN 1063-6927. Dostupné na: <https://doi.org/10.1109/ICDCS.2016.59>

- ADMB24 DI STOLFO, Paolo - VAJTERŠIĆ, Marián. Fast algorithm for the fourth-order elliptic problem based on orthogonal matrix decomposition. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*. - Heidelberg : Springer, 2016, vol. 9573, p. 583-593. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: <https://doi.org/10.1007/978-3-319-32149-3>
- ADMB25 DILNA, Nataliya. On Non-local Boundary-Value Problems for Higher-Order Non-linear Functional Differential Equations. In *Springer Proceedings in Mathematics and Statistics 333 : Differential and Difference Equations with Applications*. - Springer, 2020, 2020, p. 535-548. ISBN 978-3-030-56323-3. Dostupné na: https://doi.org/10.1007/978-3-030-56323-3_40
- ADMB26 DILNA, Nataliya. On the unique solvability of a nonlinear nonlocal boundary-value problem for systems of second-order functional differential equations. In *Journal of Mathematical Sciences*, 2017, vol. 223, no. 3, p. 257-272. (2016: 0.265 - SJR, Q3 - SJR). ISSN 1072-3374. Dostupné na: <https://doi.org/10.1007/s10958-017-3352-1>
- ADMB27 DOBREV, Stefan - NARAYANAN, Lata - OPATRNY, Jaroslav - PANKRATOV, Denis. Exploration of high-dimensional grids by finite automata. In *Leibniz International Proceedings in Informatics, LIPIcs.46th International Colloquium on Automata, Languages, and Programming*, 2019, vol. 132, no. 139, p. 1-16. ISSN 1868-8969. Dostupné na: <https://doi.org/10.4230/LIPIcs.ICALP.2019.139>
- ADMB28 DOBREV, Stefan - KRÁLOVIČ, Rastislav - PARDUBSKÁ, Dana. Exploration of Time-Varying Connected Graphs with Silent Agents. In *Lecture Notes in Computer Science : SIROCCO 2020*, 2020, vol. 12156, p. 146-162. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_9
- ADMB29 DOBREV, Stefan - KRÁLOVIČ, Rastislav** - PARDUBSKÁ, Dana. Improved Lower Bounds for Shoreline Search. In *Lecture Notes in Computer Science : SIROCCO 2020*, 2020, vol. 12156, p. 80-90. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_5
- ADMB30 DOBREV, Stefan - LAFOND, Manuel - NARAYANAN, Lata - OPATRNY, Jaroslav. Optimal local buffer management for information gathering with adversarial traffic. In *Annual ACM Symposium on Parallelism in Algorithms and Architectures*, 2017, p. 265-274. ISBN 978-1-4503-4593-4. Dostupné na: <https://doi.org/10.1145/3087556.3087577>
- ADMB31 DOBREV, Stefan - HROMKOVIČ, Juraj - KOMM, Dennis - KRÁLOVIČ, Richard - KRÁLOVIČ, Rastislav - MÖMKE, Tobias. The complexity of paging against a probabilistic adversary. In *Lecture Notes in Computer Science : SOFSEM 2016: Theory and Practice of Computer Science*, 2016, vol. 9587, p. 265-276. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-662-49192-8_22

- ADMB32 DOBREV, Stefan - KRANAKIS, E. - KRIZANC, D. - LAFOND, Manuel - MAŇUCH, Ján - NARAYANAN, Lata - OPATRNY, Jaroslav - SHENDE, Sunil - STACHO, Ladislav. Weak coverage of a rectangular barrier. In *Lecture Notes in Computer Science : Algorithms and Complexity*, 2017, vol. 10236, p. 196-208. (2016: 0.339 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-57586-5_17
- ADMB33 ĎURIŠ, S. - ĎURIŠOVÁ, Z. - PALENČÁR, J. - PAVLÁSEK, P. - WIMMER, Gejza** - WITKOVSKÝ, Viktor. Alternative methods for determination of certified value and its uncertainty: Case study of using the gravimetric method for preparation of gaseous primary reference material of ethanol in nitrogen at the Slovak Institute of Metrology. In *Measurement Techniques*, 2019, vol. 62, no. 4, p. 312-318. (2018: 0.151 - SJR, Q4 - SJR). ISSN 0543-1972. Dostupné na: <https://doi.org/10.1007/s11018-019-01623-z>
- ADMB34 ĎURIŠ, S. - ĎURIŠOVÁ, Z. - WIMMER, Gejza - ADAM, P. Overview of steps checking traceability of measurement during the process of breath analysers verification using certified reference material. In *Journal of Physics: Conference Series*, 2018, vol. 1065, art. no. 082009. (2017: 0.241 - SJR, Q3 - SJR). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/1065/8/082009>
- ADMB35 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. On epicomplete MV-algebras. In *Journal of Applied Logics : IFCoLog Journal of Logics and their Applications*, 2018, vol. 5, no. 1, p. 165-183. ISSN 2055-3706.
- ADMB36 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Pseudo EMV-algebras. II. Representation and States. In *Journal of Applied Logics : IFColog Journal of logics and their Applications*, 2019, vol. 6, no. 7, p. 1329-1372. (2019 - WOS, SCOPUS). ISSN 2055-3706.
- ADMB37 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Pseudo EMV-algebras. I. Basic Properties. In *Journal of Applied Logics : IFColog Journal of logics and their Applications*, 2019, vol. 6, no. 7, p. 1285-1327. (2019 - WOS, SCOPUS). ISSN 2055-3706.
- ADMB38 DVUREČENSKIJ, Anatolij. Riesz space-valued states on pseudo MV-algebras. In *Journal of Applied Logics : IFColog Journal of logics and their Applications*, 2018, vol. 5, no. 8, p. 1723-1764. ISSN 2055-3706.
- ADMB39 DVUREČENSKIJ, Anatolij**. States on wEMV-algebras. In *Bollettino dell'Unione Matematica Italiana*, 2020, vol. 13, p. 515-527. (2019: 0.600 - SJR, Q2 - SJR). ISSN 1972-6724. Dostupné na: <https://doi.org/10.1007/s40574-020-00233-w>
- ADMB40 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Weak pseudo EMV-algebras. II. Representation and subvarieties. In *Journal of Applied Logics : IFColog Journal of logics and their Applications*, 2021, vol. 8, no. 10, p. 2401-2433. (2020: 0.206 - SJR, Q4 - SJR). ISSN 2055-3706.
- ADMB41 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Weak pseudo EMV-algebras. I: Basic properties. In *Journal of Applied Logics : IFColog Journal of logics and their*

Applications, 2021, vol. 8, no. 10, p. 2365-2399. (2020: 0.206 - SJR, Q4 - SJR).
ISSN 2055-3706.

- ADMB42 FABRICIUS, René - ŠUCH, Ondrej. Detection of vowel segments in noise with ImageNet neural network architectures. In *Transportation Research Procedia*, 2021, vol. 55, p. 1289-1295. (2020: 0.657 - SJR). ISSN 2352-1465. Dostupné na: <https://doi.org/10.1016/j.trpro.2021.07.112>
- ADMB43 FEČKAN, Michal - WANG, JinRong. Mixed order fractional differential equations. In *Mathematics*, 2017, vol. 5, no. 4, p. 9. (2017 - WOS, SCOPUS). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math5040061>
- ADMB44 FEČKAN, Michal - HRISTOVA, Snezhana - IVANOVA, Krasimira. Practical stability of differential equations with state dependent delay and non-instantaneous impulses. In *Communications in Mathematical Analysis*, 2019, vol. 22, no. 2, p. 1-17. (2018: 0.167 - SJR, Q4 - SJR). ISSN 1938-9787.
- ADMB45 FLATZ, Markus - VAJTERŠIČ, Marián. Parallel Nonnegative Matrix Factorization via Newton Iteration. In *Parallel Processing Letters*, 2016, vol. 26, no. 3, art. no. 1650014. (2015: 0.269 - SJR, Q3 - SJR). ISSN 0129-6264. Dostupné na: <https://doi.org/10.1142/S0129626416500146>
- ADMB46 FOULIS, David J - PULMANNOVÁ, Sylvia**. Kadison's antilattice theorem for a synaptic algebra. In *Demonstratio Mathematica*, 2018, vol. 51, no. 1, p. 1-7. (2017: 0.231 - SJR, Q3 - SJR). ISSN 2391-4661. Dostupné na: <https://doi.org/10.1515/dema-2018-0002>
- ADMB47 FRIČ, Roman - PAPČO, Martin. Upgrading probability via fractions of events. In *Communications in Mathematics*, 2016, vol. 24, no. 1, p. 29-41. ISSN 1804-1388. Dostupné na: <https://doi.org/10.1515/cm-2016-0004>
- ADMB48 GFRERER, Christine - VAJTERŠIČ, Marián - KUTIL, Rade. Two parallel alignment algorithms for big number of strings. In *The 2016 International Conference on High Performance Computing and Simulation : proceedings, HPCS 2016*. - Danvers : IEEE, 2016, p. 967-972. ISBN 978-1-5090-2089-8. Dostupné na: <https://doi.org/10.1109/HPCSim.2016.7568439>
- ADMB49 HALAŠ, Radomír** - PÓCS, Jozef. Aggregation via clone theory approach. In *Advances in Intelligent Systems and Computing : New Trends in Aggregation Theory*, 2019, vol. 981, p. 244-254. (2018: 0.174 - SJR, Q3 - SJR). ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-030-19494-9_23
- ADMB50 HALUŠKOVÁ, Emília. On direct limit closed classes of algebras. In *Bulletin of the Section of Logic*, 2016, vol. 45, no. 3-4, p. 155-169. (2015: 0.255 - SJR, Q2 - SJR). ISSN 0138-0680. Dostupné na: <https://doi.org/10.18778/0138-0680.45.3.4.02>
- ADMB51 HALUŠKOVÁ, Emília. Some monounary algebras with EKP. In *Mathematica Bohemica*, 2020, vol. 145, no. 4, p. 401-414. (2019: 0.203 - SJR, Q4 - SJR). ISSN 0862-7959. Dostupné na: <https://doi.org/10.21136/MB.2019.0128-18>

- ADMB52 HALUŠKOVÁ, Emília. Strong endomorphism kernel property for monounary algebras. In *Mathematica Bohemica*, 2018, vol. 143, no. 2, p. 161-171. (2017: 0.248 - SJR, Q3 - SJR). ISSN 0862-7959. Dostupné na: <https://doi.org/10.21136/MB.2017.0056-16>
- ADMB53 HAVIAR, Miroslav - KURTULÍK, S. A new class of graceful graphs: k-enriched fan graphs and their characterisations. In *CUBO : A Mathematical Journal*, 2021, vol. 23, no. 2, p. 313-331. ISSN 0716-7776. Dostupné na: <https://doi.org/10.4067/S0719-06462021000200313>
- ADMB54 HEINOSARI, Teiko - LEPPÄJÄRVI, Leevi - PLÁVALA, Martin*. No-free-information principle in general probabilistic theories. In *Quantum : the open journal for quantum science*, 2019, vol. 3, p. 157. (2019 - Current Contents, WOS, SCOPUS). ISSN 2521-327X. Dostupné na: <https://doi.org/10.22331/q-2019-07-08-157>
- ADMB55 HOLÁ, Ľubica - HOLÝ, Dušan. Graph quasicontinuous functions and densely continuous forms. In *International Journal of Analysis and Applications*, 2017, vol. 14, no. 2, p. 155-161. ISSN 2291-8639.
- ADMB56 HOLÁ, Ľubica - JINDAL, Varun. On graph and fine topologies. In *Topology Proceedings*, 2017, vol. 49, p. 65-73. (2016: 0.219 - SJR). (2017 - SCOPUS). ISSN 0146-4124. Dostupné na internete: <http://topology.auburn.edu/tp/reprints/v49/tp49005p1.pdf>
- ADMB57 HOLÁ, Ľubica - KWIECIŃSKA, Grazyna. On the Borel Classes of Set-Valued Maps of Two Variables. In *Annales Mathematicae Silesianae*, 2020, vol. 34, no. 1, p. 81-95. ISSN 0860-2107. Dostupné na: <https://doi.org/10.2478/amsil-2020-0018>
- ADMB58 HOLZER, Markus - HOSPODÁR, Michal**. The range of state complexities of languages resulting from the cut operation. In *Lecture Notes in Computer Science : Language and Automata Theory and Applications*, 2019, vol. 11417, p. 190-202. (2018: 0.283 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-13435-8_14
- ADMB59 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. A survey on fooling sets as effective tools for lower bounds on nondeterministic complexity. In *Lecture Notes in Computer Science : Adventures Between Lower Bounds and Higher Altitudes*, 2018, vol. 11011, p. 17-32. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-98355-4_2
- ADMB60 HOSPODÁR, Michal. Descriptive complexity of power and positive closure on convex languages. In *Lecture Notes in Computer Science*, 2019, vol. 11601, p. 158-170. (2018: 0.283 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-23679-3_13
- ADMB61 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Nondeterministic complexity of operations on closed and ideal languages. In *Lecture Notes in Computer Science : Implementation and Application of Automata*. -

Heidelberg : Springer, 2016, vol. 9705, p. 125-137. (2015: 0.369 - SJR, Q2 - SJR).
ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-40946-7_11

ADMB62 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter.
Nondeterministic complexity of operations on free and convex languages. In *Lecture Notes in Computer Science : Implementation and Application of Automata*. - Heidelberg : Springer, 2017, vol. 10329, p. 138-150. (2016: 0.339 - SJR, Q2 - SJR).
ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-60134-2_12

ADMB63 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. On the
descriptive complexity of $\mathcal{L}^*(L)$. In *Lecture Notes in Computer Science : Developments in Language Theory*. - Heidelberg : Springer, 2017, vol. 10396, p. 222-234. (2016: 0.339 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na:
https://doi.org/10.1007/978-3-319-62809-7_16

ADMB64 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, Ivana.
Operations on Boolean and alternating finite automata. In *Lecture Notes in Computer Science : Computer Science - Theory and Applications*, 2018, vol. 10846, p. 181-193. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na:
https://doi.org/10.1007/978-3-319-90530-3_16

ADMB65 HOSPODÁR, Michal - MLYNÁRČIK, Peter. Operations on permutation
automata. In *Lecture Notes in Computer Science : Developments in Language Theory*, 2020, vol. 12086, p. 122-136. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-48516-0_10

ADMB66 HOSPODÁR, Michal - HOLZER, Markus**. The ranges of accepting state
complexities of languages resulting from some operations. In *Lecture Notes in Computer Science : Implementation and Application of Automata*, 2018, vol. 10977, p. 198-210. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na:
https://doi.org/10.1007/978-3-319-94812-6_17

ADMB67 JENČOVÁ, Anna. Comparison of quantum channels and statistical
experiments. In *IEEE International Symposium on Information Theory*, 2016, vol., p. 2249-2253. (2015: 0.662 - SJR). (2016 - SCOPUS). ISSN 2157-8117. Dostupné na: <https://doi.org/10.1109/ISIT.2016.7541699>

ADMB68 JENČOVÁ, Anna - PLÁVALA, Martin. On the properties of spectral effect
algebras. In *Quantum : the open journal for quantum science*, 2019, vol. 3, p. 148. (2019 - Current Contents, WOS, SCOPUS). ISSN 2521-327X. Dostupné na:
<https://doi.org/10.22331/q-2019-06-03-148>

ADMB69 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina - ŠEBEJ, Juraj. Operations on
unambiguous finite automata. In *Lecture Notes in Computer Science : Developments in Language Theory*. - Heidelberg : Springer, 2016, vol. 9840, p. 243-255. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na:
https://doi.org/10.1007/978-3-662-53132-7_20

ADMB70 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina*. The exact complexity of
star-complement-star. In *Lecture Notes in Computer Science : Implementation and*

Application of Automata, 2018, vol. 10977, p. 223-235. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-94812-6_19

- ADMB71 JIRÁSKOVÁ, Galina - KLÍMA, Ondřej**. Deterministic biautomata and subclasses of deterministic linear languages. In *Lecture Notes in Computer Science : Language and Automata Theory and Applications*, 2019, vol. 11417, p. 315-327. (2018: 0.283 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-13435-8_23
- ADMB72 JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, Ivana**. NFA-to-DFA trade-off for regular operations. In *Lecture Notes in Computer Science : Descriptive complexity of formal systems*, 2019, vol. 11612, p. 184-196. (2018: 0.283 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-23247-4_14
- ADMB73 JIRÁSKOVÁ, Galina. Self-verifying finite automata and descriptive complexity. In *Lecture Notes in Computer Science : Descriptive Complexity of Formal Systems*, 2016, vol. 9777, p. 29-44. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-41114-9_3
- ADMB74 JIRÁSKOVÁ, Galina - OKHOTIN, Alexander**. State complexity of unambiguous operations on deterministic finite automata. In *Lecture Notes in Computer Science : Descriptive Complexity of Formal Systems*, 2018, vol. 10952, p. 188-199. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-94631-3_16
- ADMB75 JIRÁSKOVÁ, Galina - SZABARI, Alexander - ŠEBEJ, Juraj. The complexity of languages resulting from the concatenation operation. In *Lecture Notes in Computer Science : Descriptive Complexity of Formal Systems*, 2016, vol. 9777, p. 153-167. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-41114-9_12
- ADMB76 JIRÁSKOVÁ, Galina** - OKHOTIN, Alexander. Towards exact state complexity bounds for input-driven pushdown automata. In *Lecture Notes in Computer Science : Developments in Language Theory*, 2018, vol. 11088, p. 441-452. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-98654-8_36
- ADMB77 KORBAŠ, Július - RUSIN, Tomáš. A note on the $Z(2)$ -cohomology algebra of oriented Grassmann manifolds. In *Rendiconti del Circolo Matematico di Palermo Series 2*, 2016, vol. 65, no. 3, p. 507-517. (2015: 0.355 - SJR, Q3 - SJR). (2016 - Scopus). ISSN 0009-725X. Dostupné na: <https://doi.org/10.1007/s12215-016-0249-7>
- ADMB78 KORBAŠ, Július - SCHEIDLER, Renate - ZVENGROWSKI, Peter. The Cup-Length of Stiefel and Projective Stiefel Manifolds. In *The Graduate Journal of Mathematics*, 2021, vol. 6, p. 27-34. ISSN 2724-6841. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://gradmath.org/2021/05/30/the-cup-length-of-stiefel-and-projective-stiefel-manifolds/>

- ADMB79 KRAJŇÁKOVÁ, Ivana - JIRÁSKOVÁ, Galina. Square on deterministic, alternating, and Boolean finite automata. In *Lecture Notes in Computer Science : Descriptive Complexity of Formal Systems*, 2017, vol. 10316, p. 214-225. (2016: 0.339 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-60252-3_17
- ADMB80 KUBÁT, Miroslav - NETOLICKÁ, Šárka - ČECH, Radek - MAČUTEK, Ján. Martin of Cochem's Golden Key of Heaven and its Czech Relatives: Quantitative Analysis of Baroque Prayers. In *Bohemistika*, 2021, vol. 3, p. 283-294. (2020: 0.110 - SJR, Q3 - SJR). ISSN 1642-9893. Dostupné na: <https://doi.org/10.14746/bo.2021.3.1>
- ADMB81 KUDO, Shuhei - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. Performance of the parallel one-sided block Jacobi SVD algorithm on a modern distributed-memory parallel computer. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*. - Heidelberg : Springer, 2016, vol. 9573, p. 594-604. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-32149-3_55
- ADMB82 KUTIL, Rade** - FLATZ, Markus - VAJTERŠIC, Marián. Parallel Nonnegative Matrix Factorization based on Newton iteration with improved convergence behavior. In *Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics*, 2018, vol. 10777, p. 646-655. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-78024-5_56
- ADMB83 LÍŠKA, Igor - RIEČAN, Beloslav* - TIRPÁKOVÁ, Anna**. An alternative to real number axioms. In *Axioms*, 2018, vol. 7, no. 3, art. no. 59. ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390/axioms7030059>
- ADMB84 MEDVEĎ, Milan - POSPÍŠIL, Michal*. Representation of solutions of systems of linear differential equations with multiple delays and linear parts given by nonpermutable matrices. In *Journal of Mathematical Sciences*, 2018, vol. 228, no. 3, p. 276-289. (2017: 0.304 - SJR, Q3 - SJR). ISSN 1072-3374. Dostupné na: <https://doi.org/10.1007/s10958-017-3620-0>
- ADMB85 MESJAROVÁ-ZEMÁNKOVÁ, Andrea. Structure of Uninorms with Continuous Diagonal Functions. In *Studies in fuzziness and soft computing : On Logical, Algebraic, and Probabilistic Aspect of Fuzzy Set Theory*, 2016, vol. 336, p. 109-135. ISSN 1434-9922. Dostupné na: https://doi.org/10.1007/978-3-319-28808-6_7
- ADMB86 MICHALÍKOVÁ, Alžbeta** - RIEČAN, Beloslav. On invariant measures on intuitionistic fuzzy sets. In *Advances in Intelligent Systems and Computing : Advances in Fuzzy Logic and Technology 2017*, 2018, vol. 642, p. 529-534. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-66824-6_46
- ADMB87 MICHALÍKOVÁ, Alžbeta** - RIEČAN, Beloslav. On States on Fuzzy MV-algebra. In *Advances in Intelligent Systems and Computing. Uncertainty and Imprecision in Decision Making and Decision Support: New Challenges, Solutions and Perspectives*. - Cham : Springer, 2021, 2021, vol. 1081, p. 40-46. ISBN

978-3-030-47023-4. ISSN 2194-5357. Dostupné na:
https://doi.org/10.1007/978-3-030-47024-1_5

- ADMB88 NEDELA, Roman** - PONOMARENKO, Iliia. Recognizing and Testing Isomorphism of Cayley Graphs over an Abelian Group of Order $4p$ in Polynomial Time. In *Springer Proceedings in Mathematics and Statistics 305 : Isomorphisms, Symmetry and Computations in Algebraic Graph Theory*. - Springer, 2020, 2020, vol. 305, p. 195-218. ISBN 978-3-030-32808-5. Dostupné na:
https://doi.org/10.1007/978-3-030-32808-5_7
- ADMB89 POSPÍŠIL, Michal. Laplace transform, Gronwall inequality and delay differential equations for general conformable fractional derivative. In *Communications in Mathematical Analysis*, 2019, vol. 22, no. 1, p. 14-33. (2018: 0.167 - SJR, Q4 - SJR). ISSN 1938-9787.
- ADMB90 POVAŽAN, Jaroslav - RIEČAN, Beloslav. On partially ordered product spaces. In *Advances in Intelligent Systems and Computing*. - Wroclaw : Springer, 2016, vol. 401, p. 29-35. ISSN 2194-5357. Dostupné na:
https://doi.org/10.1007/978-3-319-26211-6_3
- ADMB91 REPICKÝ, Miroslav. Spaces not distinguishing ideal convergences of real-valued functions. In *Real Analysis Exchange*, 2021, vol. 46, no. 2, p. 367-394. (2020: 0.229 - SJR, Q4 - SJR). ISSN 0147-1937. Dostupné na:
<https://doi.org/10.14321/realanalexch.46.2.0367>
- ADMB92 REPICKÝ, Miroslav. Spaces not distinguishing ideal convergences of real-valued functions, II. In *Real Analysis Exchange*, 2021, vol. 46, no. 2, p. 395-422. (2020: 0.229 - SJR, Q4 - SJR). ISSN 0147-1937. Dostupné na:
<https://doi.org/10.14321/realanalexch.46.2.0395>
- ADMB93 RUJEVIC, Biljana - KAPLAR, Marija - KAPLAR, Sebastijan - STANKOVIC, Ranka - OBRADOVIC, Ivan - MAČUTEK, Ján. Quantitative analysis of syllable properties in Croatian, Serbian, Russian, and Ukrainian. In *Language and Text: Data, models, information and applications*. - Amsterdam : John Benjamin Publishing Company, 2021, p. 55-67. ISBN 978-90-272-1010-4. Dostupné na:
<https://doi.org/10.1075/cilt.356.04ruj>
- ADMB94 SHANNON, Anthony G.** - RIEČAN, Beloslav - SOTIROVA, Evdokia - ATANASSOV, Krassimir T. - KRAWCZAK, Maciej - MELO-PINTO, Pedro - PARVATHI, Rangasamy - KIM, Taekyun. Generalized net models of academic promotion and doctoral candidature. In *Recent Contributions in Intelligent Systems*. - Springer International Publishing Switzerland, 2017, p. 263-277. ISBN 978-3-319-41437-9. Dostupné na: https://doi.org/10.1007/978-3-319-41438-6_15
- ADMB95 SOTIROVA, Evdokia** - SHANNON, Anthony G. - KIM, Taekyun - KRAWCZAK, Maciej - MELO-PINTO, Pedro - RIEČAN, Beloslav. Intuitionistic fuzzy evaluations for the analysis of a student's knowledge in university e-learning courses. In *Studies in Computational Intelligence : Intuitionistic Fuzziness and Other Intelligent Theories and Their Applications*. - Springer Nature, 2019, vol. 757, p.

95-100. (2018: 0.183 - SJR, Q4 - SJR). ISBN 978-3-319-78930-9. ISSN 1860-949X.
Dostupné na: https://doi.org/10.1007/978-3-319-78931-6_6

ADMB96 ŠUCH, Ondrej - BARREDA, Santiago - MOJSEJ, Anton. A comparison of formant and CNN models for vowel frame recognition. In *CEUR Workshop Proceedings : Information Technologies - Applications and Theory 2019*, 2019, vol. 2473, p. 139-144. (2018: 0.166 - SJR). ISSN 1613-0073. Dostupné na internete: <http://ceur-ws.org/Vol-2473/paper30.pdf>

ADMB97 ŠUCH, Ondrej - KONTŠEK, Martin - TINAJOVÁ, Andrea. Neural pairwise classification models created by ignoring irrelevant alternatives. In *CEUR Workshop Proceedings : Information Technologies - Applications and Theory 2019*, 2019, vol. 2473, p. 66-70. (2018: 0.166 - SJR). ISSN 1613-0073.

ADMB98 WIMMER, Gejza - WITKOVSKÝ, Viktor. Model of polynomial calibration. In *Journal of Physics: Conference Series*, 2018, vol. 1065, no. 7, art. no. 072011. (2017: 0.241 - SJR, Q3 - SJR). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/1065/7/072011>

ADMB99 WIMMER, Gejza - WITKOVSKÝ, Viktor. On uncertainty analysis in the calibration of gauge block: Another look at example S4 from EA-4/02. In *Measurement Techniques*, 2019, vol. 62, no. 4, p. 319-326. (2018: 0.151 - SJR, Q4 - SJR). ISSN 0543-1972. Dostupné na: <https://doi.org/10.1007/s11018-019-01624-y>

ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus

ADNA01 BADAWY, Abd El-Mohsen - HAVIAR, Miroslav - PLOŠČICA, Miroslav. Congruence pairs of principal MS-algebras and perfect extensions. In *Mathematica Slovaca*, 2020, vol. 70, no. 6, p. 1275-1288. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0430>

ADNA02 DANCA, Marius-F. - FEČKAN, Michal. Note on a parameter switching method for nonlinear odes. In *Mathematica Slovaca*, 2016, vol. 66, no. 2, p. 439-448. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2015-0148>

ADNA03 FOULIS, David J - PULMANNOVÁ, Sylvia. Commutativity in a synaptic algebra. In *Mathematica Slovaca*, 2016, vol. 66, no. 2, p. 469-482. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2015-0151>

ADNA04 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Vector lattices in synaptic algebras. In *Mathematica Slovaca*, 2017, vol. 67, no. 6, p. 1509-1524. (2016: 0.346 - IF, Q4 - JCR, 0.498 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0066>

ADNA05 FRIČ, Roman** - ELIAŠ, Peter - PAPČO, Martin. Divisible extension of probability. In *Mathematica Slovaca*, 2020, vol. 70, no. 6, p. 1445-1456. (2019:

0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na:
<https://doi.org/10.1515/ms-2017-0441>

ADNA06 JAKUBEC, Stanislav. Connection between multiplication theorem for Bernoulli polynomials and first factor $h_{-}(p)^{(\cdot)}$. In *Mathematica Slovaca*, 2017, vol. 67, no. 2, p. 345-348. (2016: 0.346 - IF, Q4 - JCR, 0.498 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2016-0270>

ADNA07 JAKUBÍK, Ján. Convex subalgebras of upper bounded GMV-algebras. In *Mathematica Slovaca*, 2016, vol. 66, no. 2, s. 379-386. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na:
<https://doi.org/10.1515/ms-2015-0143>

ADNA08 JAKUBÍK, Ján. Lexico groups and direct products of lattice ordered groups. In *Mathematica Slovaca*, 2016, vol. 66, no. 1, p. 35-42. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na:
<https://doi.org/10.1515/ms-2015-0113>

ADNA09 KADKHODA, Nematollah - FEČKAN, Michal*. Application of $\tan(\phi(x)/2)$ -expansion method to burgers and foam drainage equations. In *Mathematica Slovaca*, 2018, vol. 68, no. 5, p. 1057-1064. (2017: 0.314 - IF, Q4 - JCR, 0.339 - SJR, Q3 - SJR). (2018 - WOS, SCOPUS). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0167>

ADNA10 KAŇUCHOVÁ, Mária - ORAVCOVÁ, Andrea - SISOL, Martin - KOŠČOVÁ, Michaela - KOZÁKOVÁ, Ľubica. Leaching of gold from flotation waste by thiourea. In *Acta Montanistica Slovaca*, 2021, vol. 26, no. 1, p. 98-105. (2020: 1.413 - IF, Q3 - JCR, 0.472 - SJR, Q2 - SJR). ISSN 1335-1788. Dostupné na: <https://doi.org/10.46544/AMS.v26i1.08>

ADNA11 KORBAŠ, Július. On the Betti numbers of oriented Grassmannians and independent semi-invariants of binary forms. In *Mathematica Slovaca*, 2017, vol. 67, no. 5, p. 1263-1268. (2016: 0.346 - IF, Q4 - JCR, 0.498 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0047>

ADNA12 KOŠČOVÁ, Michaela - HARMAN, Radoslav - MAČUTEK, Ján. Iterated partial summations applied to finite-support discrete distributions. In *Mathematica Slovaca*, 2020, vol. 70, no. 2, p. 489-496. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0366>

ADNA13 LIU, Shengda - WANG, JinRong - ZHOU, Yong - FEČKAN, Michal. Iterative learning control with pulse compensation for fractional differential systems. In *Mathematica Slovaca*, 2018, vol. 68, no. 3, p. 563-574. (2017: 0.314 - IF, Q4 - JCR, 0.339 - SJR, Q3 - SJR). (2018 - WOS, SCOPUS). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0125>

ADNA14 RIEČAN, Beloslav - SAMUELČIK, Karol. On non-additive probability measures. In *Mathematica Slovaca*, 2017, vol. 67, no. 6, p. 1571-1576. (2016: 0.346 - IF, Q4 - JCR, 0.498 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na:
<https://doi.org/10.1515/ms-2017-0071>

ADNA15 WIMMER, Gejza - MAČUTEK, Ján - ALTMANN, G. Discrete averaged mixing applied to the logarithmic distributions. In *Mathematica Slovaca*, 2016, vol.66, no. 2, p. 483-492. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2015-0152>

ADNA16 WITKOVSKÝ, Viktor - WIMMER, Gejza - DUBY, T. Estimating the distribution of a stochastic sum of IID random variables. In *Mathematica Slovaca*, 2020, vol. 70. no. 3, p. 759-774. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0389>

ADNB Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus

ADNB01 BABICOVÁ, Dušana. Probability integral as a linearization. In *Tatra Mountains Mathematical Publications*, 2018, vol. 72, p. 1-15. (2017: 0.363 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.2478/tmmp-2018-0017>

ADNB02 BABICOVÁ, Dušana - FRIČ, Roman. Real functions in stochastic dependence. In *Tatra Mountains Mathematical Publications*, 2019, vol. 74, p. 17-34. (2018: 0.226 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.2478/tmmp-2019-0016>

ADNB03 CATERINO, A - CEPPITELLI, R - HOLÁ, Ľubica. On the jointly continuous multi-utility representation problem. In *APLIMAT 2020 : 19th Conference on Applied Mathematics*. - Bratislava : STU, 2020, 2020, p. 212-223. ISBN 978-1-7138-0796-4.

ADNB04 ČECH, Radek - MAČUTEK, Ján - KOSEK, Pavel. Czech Translations of the Gospel of Matthew from the Diachronic Point of View - Plus Ca Change. In *Jazykovedný časopis*, 2021, roč. 72, č. 2, s. 656-666. (2020: 0.186 - SJR, Q2 - SJR). (2021 - SCOPUS). ISSN 0021-5597. Dostupné na: <https://doi.org/10.2478/jazcas-2021-0059>

ADNB05 ĎURIŠ, Stanislav - ĎURIŠOVÁ, Z. - WIMMER, Gejza - DOVICA, M. Stability check of certified reference materials of carbon and sulphur content in steel used for analysis of low-alloyed steels. In *MEASUREMENT 2019 : Proceedings of the 12th International Conference on Measurement*. - Bratislava, Slovakia : Institute of Measurement Science, Slovak Academy of Sciences, 2019, p. 331-334. (2019 - WOS, SCOPUS). ISBN 978-80-972629-2-1. Dostupné na: <https://doi.org/10.23919/measurement47340.2019.8779893>

ADNB06 FEČKAN, Michal - PAČUTA, J. Data approximation using Lotka-Volterra models and a software minimization function. In *Journal of Applied Mathematics, Statistics and Informatics*, 2019, vol. 15, no. 2, p. 5-14. ISSN 1339-0015. Dostupné na: <https://doi.org/10.2478/jamsi-2019-0005>

ADNB07 FRIČ, Roman. Product of measurable spaces and applications. In *Tatra Mountains Mathematical Publications*, 2019, vol. 74, p. 47-56. (2018: 0.226 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.2478/tmmp-2019-0018>

- ADNB08 HAJOSSY, Rudolf. Plimpton 322: a universal cuneiform table for Old Babylonian mathematicians, builders, surveyors and teachers. In *Tatra Mountains Mathematical Publications*, 2016, vol. 67, p. 1-40. (2015: 0.244 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.1515/tmmp-2016-0027>
- ADNB09 HALUŠKA, Ján - JASTRZEBSKA, Malgorzata. A three dimensional modification of the gaussian number field. In *Tatra Mountains Mathematical Publications*, 2019, vol. 74, p. 63-76. (2018: 0.226 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.2478/tmmp-2019-0020>
- ADNB10 HOLÁ, Ľubica - HOLÝ, Dušan. Quasicontinuous functions, densely continuous forms and compactness. In *Tatra Mountains Mathematical Publications*, 2017, vol. 68, p. 93-102. (2016: 0.367 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.1515/tmmp-2017-0008>
- ADNB11 HRABOVSKÝ, Jakub** - KONTŠEK, Martin - SEGEČ, Pavel - ŠUCH, Ondrej. Influence of positive additive noise on classification performance of convolutional neural networks. In *DISA 2018 - 1st World Symposium on Digital Intelligence for Systems and Machines*. - Košice, Slovakia : IEEE, 2018, p. 175-181. ISBN 978-1-5386-5102-5. Dostupné na: <https://doi.org/10.1109/DISA.2018.8490611>
- ADNB12 HU, Kan - NEDELA, Roman* - WANG, Naer - YUAN, K. Reciprocal skew morphisms of cyclic groups. In *Acta Mathematica Universitatis Comenianae*, 2019, vol. 88, no. 2, p. 305-318. (2018: 0.247 - SJR, Q3 - SJR). ISSN 0862-9544.
- ADNB13 JUREČKA, S. - JUREČKOVÁ, Mária. Statistical and fractal analysis of random height function. In *Communications*, 2017, roč. 19, č. 3, s. 57-61. (2016: 0.328 - SJR, Q2 - SJR). ISSN 1335-4205. Dostupné na internete: http://www3.uniza.sk/komunikacie/archiv/2017/3/3_2017en.pdf
- ADNB14 LEŠŠOVÁ, L. - MAČUTEK, Ján. On the limit behaviour of finite-support bivariate discrete probability distributions under iterated partial summations. In *Acta Mathematica Universitatis Comenianae*, 2020, vol. 89, no. 2, p. 351-359. (2019: 0.335 - SJR, Q3 - SJR). ISSN 0862-9544.
- ADNB15 LUO, Dahui - WANG, JinRong - FEČKAN, Michal. Applying fractional calculus to analyze economic growth modelling. In *Journal of Applied Mathematics, Statistics and Informatics*, 2018, vol. 14, no. 1, p. 25-36. ISSN 1339-0015. Dostupné na: <https://doi.org/10.2478/jamsi-2018-0003>
- ADNB16 PALENČÁR, R. - WIMMER, Gejza - KLVÁČOVÁ, S. - WITKOVSKÝ, Viktor. Two approaches to obtain the calibration line. In *MEASUREMENT 2017 : Proceedings of the 11th International Conference on Measurement*. - Bratislava, Slovakia : Institute of Measurement Science, SAS, 2017, p. 43-46. ISBN 978-80-972629-0-7. Dostupné na: <https://doi.org/10.23919/MEASUREMENT.2017.7983532>
- ADNB17 PAŠTÉKA, Milan. Central Limit Theorem and The Distribution of Sequences. In *Tatra Mountains Mathematical Publications*, 2020, vol. 77, p. 43-52. (2019:

0.214 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na:
<https://doi.org/10.2478/tmmp-2020-0031>

- ADNB18 PELEGRINOVÁ, Kateřina - MAČUTEK, Ján - ČECH, Radek. The Menzerath-Altmann law as the relation between lengths of words and morphemes in Czech. In *Jazykovedný časopis*, 2021, roč. 72, č. 2, s. 405-414. (2020: 0.186 - SJR, Q2 - SJR). (2021 - SCOPUS). ISSN 0021-5597. Dostupné na:
<https://doi.org/10.2478/jazcas-2021-0037>
- ADNB19 RIEČAN, Beloslav - MARKECHOVÁ, Dagmar. Rényi entropy and Rényi divergence in the intuitionistic fuzzy case. In *Tatra Mountains Mathematical Publications*, 2018, vol. 72, p. 77-105. (2017: 0.363 - SJR, Q3 - SJR). ISSN 1210-3195. Dostupné na: <https://doi.org/10.2478/tmmp-2018-0023>
- ADNB20 SEDLIAK, Anton - ŽÁČIK, Tibor. Optimization of the gas transport in pipeline systems. In *Tatra Mountains Mathematical Publications*, 2016, vol. 66, p. 103-120. (2015: 0.244 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na:
<https://doi.org/10.1515/tmmp-2016-0024>
- ADNB21 ŠUCH, Ondrej - BARREDA, Santiago - KLIMO, Martin - TARÁBEK, Peter - TINAJOVÁ, Andrea. Comparing classification methods in isolated vowel classification. In *DISA 2018 - 1st World Symposium on Digital Intelligence for Systems and Machines*. - Košice, Slovakia : IEEE, 2018, p. 331-335. ISBN 978-1-5386-5102-5. Dostupné na: <https://doi.org/10.1109/DISA.2018.8490601>
- ADNB22 WIMMER, Gejza - WITKOVSKÝ, Viktor. Demodulation and uncertainty evaluation of quadrature interferometer signals when the errors are autoregressive. In *MEASUREMENT 2017 : Proceedings of the 11th International Conference on Measurement*. - Bratislava, Slovakia : Institute of Measurement Science, SAS, 2017, p. 23-26. ISBN 978-80-972629-0-7. Dostupné na:
<https://doi.org/10.23919/MEASUREMENT.2017.7983527>
- ADNB23 WIMMER, Gejza** - WITKOVSKÝ, Viktor. Determination of the exact confidence intervals for parameters in a model of direct measurements with independent random errors. In *MEASUREMENT 2021 : Proceedings of the 13th International Conference on Measurement*. - Bratislava : Institute of Measurement Science, SAS, 2021, 2021, p. 97-100. ISBN 978-80-972629-4-5. Dostupné na:
<https://doi.org/10.23919/Measurement52780.2021.9446786>
- ADNB24 WIMMER, Gejza** - WITKOVSKÝ, Viktor. Two-dimensional linear comparative calibration and measurement uncertainty. In *MEASUREMENT 2019 : Proceedings of the 12th International Conference on Measurement*. - Bratislava, Slovakia : Institute of Measurement Science, Slovak Academy of Sciences, 2019, p. 66-69. (2019 - WOS, SCOPUS). ISBN 978-80-972629-2-1. Dostupné na:
<https://doi.org/10.23919/MEASUREMENT47340.2019.8779887>
- ADNB25 WITKOVSKÝ, Viktor - WIMMER, Gejza - ĎURIŠOVÁ, Z. - ĎURIŠ, S. - PALENČÁR, R. Brief overview of methods for measurement uncertainty analysis: GUM uncertainty framework, Monte Carlo method, characteristic function approach. In *MEASUREMENT 2017 : Proceedings of the 11th International*

Conference on Measurement. - Bratislava, Slovakia : Institute of Measurement Science, SAS, 2017, p. 35-38. ISBN 978-80-972629-0-7. Dostupné na: <https://doi.org/10.23919/MEASUREMENT.2017.7983530>

ADNB26 WITKOVSKÝ, Viktor** - WIMMER, Gejza. Exact confidence intervals for parameters in linear models with parameter constraints. In *MEASUREMENT 2021 : Proceedings of the 13th International Conference on Measurement*. - Bratislava : Institute of Measurement Science, SAS, 2021, 2021, p. 22-25. ISBN 978-80-972629-4-5. Dostupné na: <https://doi.org/10.23919/Measurement52780.2021.9446783>

ADNB27 WITKOVSKÝ, Viktor** - WIMMER, Gejza. Inverse and direct prediction and its effect on measurement uncertainty in polynomial comparative calibration. In *MEASUREMENT 2019 : Proceedings of the 12th International Conference on Measurement*. - Bratislava, Slovakia : Institute of Measurement Science, Slovak Academy of Sciences, 2019, p. 62-65. (2019 - WOS, SCOPUS). ISBN 978-80-972629-2-1. Dostupné na: <https://doi.org/10.23919/MEASUREMENT47340.2019.8779926>

AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks

AECA01 BATTELLI, Flaviano - FEČKAN, Michal. On the Poincaré-Andronov-Melnikov method for modelling of grazing periodic solutions in discontinuous systems. In *Mathematical Modelling in Health, Social and Applied Sciences*. - Cham : Springer, 2020, p. 241-259. ISBN 978-981-15-2286-4. Dostupné na: https://doi.org/10.1007/978-981-15-2286-4_7

AECA02 ČECH, Radek - MAČUTEK, Ján. The Menzerath-Altmann Law in Czech Poems by K. J. Erben. In *Tackling the Toolkit : Plotting Poetry through Computational Literary Studies*. - Prague, Czech Republic : Institute of Czech Literature of the Czech Academy of Sciences, 2021, p. 5-14. ISBN 978-80-7658-032-9. Dostupné na: <https://doi.org/10.51305/ICL.CZ.9788076580336.01>

AECA03 ĎURIŠ, S. - ĎURIŠOVÁ, Z. - DOVICA, M. - WIMMER, Gejza. EIV calibration of gas mixture of ethanol in nitrogen. In *Advanced Mathematical and Computational Tools in Metrology and Testing XI*. - World Scientific Publishing Company, 2018, p. 170-177. ISBN 978-981-3274-29-7.

AECA04 HALUŠKOVÁ, Emília - MLYNÁRČIK, Peter. On Discrete Properties of Real Functions. In *Computer Algebra Systems in Teaching and Research*. - Siedlce : University of Natural Sciences and Humanities, 2021, 2021, p. 33-44. ISBN 978-83-66541-85-6.

AECA05 WILSON, Andrew - MAČUTEK, Ján. A Classification of the Celtic Languages Based on Grapheme Frequencies. In *Words and Numbers : In Memory of Peter Grzybek (1957-2019)*. - Ludenscheid, Germany : RAM-Verlag, 2020, p. 53-68. ISBN 978-3-942303-89-7.

AECA06 WIMMER, Gejza - ĎURIŠ, S. - PALENČÁR, R. - WITKOVSKÝ, Viktor. EIV calibration model of thermocouples. In *Advanced Mathematical and Computational Tools in Metrology and Testing XI*. - World Scientific Publishing Company, 2018, p. 401-408. ISBN 978-981-3274-29-7. Dostupné na: https://doi.org/10.1142/9789813274303_0040

AECA07 WIMMER, Gejza - MAČUTEK, Ján. Lexical text compactness with link length taken into account. In *Issues in Quantitative Linguistics 4 : Dedicated to Reinhard Köhler on the occasion of his 65th birthday*. - Lüdenscheid : RAM-Verlag, 2016, p. 217-227. ISBN 978-3-942303-44-6.

AECA08 WITKOVSKÝ, Viktor - WIMMER, Gejza* - ĎURIŠOVÁ, Z. - ĎURIŠ, S. - PALENČÁR, R. - PALENČÁR, J. Modeling and evaluating the distribution of the output quantity in measurement models with copula dependent input quantities. In *Advanced Mathematical and Computational Tools in Metrology and Testing XI*. - World Scientific Publishing Company, 2018, p. 409-416. ISBN 978-981-3274-29-7. Dostupné na: https://doi.org/10.1142/9789813274303_0041

AEDA Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks

AEDA01 WIMMER, Gejza - WITKOVSKÝ, Viktor - ŽÁKOVÁ MYŠKOVÁ, K. Two-dimensional linear comparative calibration. In *Perspectives in Measurement, Modeling and Interpretation*. - Bratislava, Slovakia : Vysoká škola manažmentu/City University of Seattle programs, 2020, p. 15-37. ISBN 978-80-89306-54-1.

AEMB Abstracts of scientific papers published in foreign non-impacted journals registered in Web of Science Core Collection or Scopus

AEMB01 KUTIL, Rade - FLATZ, Markus - VAJTERŠIČ, Marián. Improvements in approximation performance and parallelization of Nonnegative Matrix Factorization with Newton iteration. In *The 2017 International Conference on High Performance Computing and Simulation : proceedings, HPCS 2017*. - Los Alamitos : IEEE Computer Society, 2017, p. 887-888. ISBN 978-1-5386-3250-5. Dostupné na: <https://doi.org/10.1109/HPCS.2017.137>

AFC Published papers from foreign scientific conferences

AFC01 ČUNDERLÍKOVÁ, Katarína. Conditional Interval Valued Probability and Martingale Convergence Theorem. In *Atlantis Studies in Uncertainty Modelling*. Volume 3. Radko Mesiar, Marek Reformat, Martin Štěpnička, Petr Hurtik. - Atlantis Press, 2021, 2021, p. 517-522. ISBN 978-94-6239-423-0. ISSN 2589-6644. Dostupné na: <https://doi.org/10.2991/asum.k.210827.068>

AFC02 ČUNDERLÍKOVÁ, Katarína. Intuitionistic Fuzzy Probability and Almost Everywhere Convergence. In *Advances in Intelligent Systems and Computing*. Advances and New Developments in Fuzzy Logic and Technology. Eds. Krassimir T. Atanassov, Vassia Atanassova, Janusz Kacprzyk, Andrzej Kaluszko, Maciej Krawczak, Jan W. Owsinski, Sotir S. Sotirov, Evdokia Sotirova, Eulalia Szmidt, Sławomir Zadrozny. - Cham : Springer, 2021, 2021, vol. 1308, p. 54-65. ISBN 978-3-030-77715-9. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-030-77716-6_5

- AFC03 ČUNDERLÍKOVÁ, Katarína. Two theorems from extreme value theory for interval valued events. In *Atlantis Studies in Uncertainty Modelling*. Eds. Humberto Bustince, Guoqing Chen, Radko Mesiar, Gabriella Pasi. - Atlantis Press, 2019, 2019, vol. 1, p. 660-667. ISSN 2589-6644.
- AFC04 EOM, Hae-Sung - PALMOVSKÝ, Matúš. Combined operations on prefix-free and suffix-free languages. In *Eighth Workshop on Non-Classical Models of Automata and Applications (NCMA 2016)*. H. Bordihn, R. Freund, B. Nagy, G. Vaszil (eds.). - Wien : Österreichische Computer Gesellschaft, 2016, p. 147-162. ISBN 978-3-903035-10-2.
- AFC05 FLATZ, Markus - KUTIL, Rade - VAJTERŠIC, Marián*. Parallelization of the hierarchical alternating least squares algorithm for Nonnegative Matrix Factorization. In *4th International Forum on Research and Technologies for Society and Industry (IEEE RTSI 2018) : forum proceedings*. - Piscataway : IEEE, 2018, p. 208-212. ISBN 978-1-5386-6282-3. Dostupné na: <https://doi.org/10.1109/RTSI.2018.8548361>
- AFC06 HOSPODÁR, Michal. Complexity on unary union-free and unary star-free languages. In *Eighth Workshop on Non-Classical Models of Automata and Applications (NCMA 2016) : short papers*. H. Bordihn, R. Freund, B. Nagy, G. Vaszil (eds.). - Wien : Institut für Computersprachen, 2016, p. 15-23. ISBN 978-3-200-04725-9. Dostupné na internete: <https://www.dropbox.com/sh/al0cxf6s7ukq5xj/AAC6fMLB1GWMRx3f8s9vSBFKa/S2/NCMA2016S2.pdf?dl=0>
- AFC07 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina. Concatenation on deterministic and alternating automata. In *Eighth Workshop on Non-Classical Models of Automata and Applications (NCMA 2016)*. H. Bordihn, R. Freund, B. Nagy, G. Vaszil (eds.). - Wien : Österreichische Computer Gesellschaft, 2016, p. 179-194. ISBN 978-3-903035-10-2. Dostupné na internete: <https://www.dropbox.com/sh/al0cxf6s7ukq5xj/AADi7LDOvr8ozUayyqYKTV74a/P08/NCMA2016P08.pdf?dl=0>
- AFC08 MAČUTEK, Ján - ČECH, Radek - COURTIN, Marine. The Menzerath-Altmann law in syntactic structure revisited: Combining linearity of language with dependency syntax. In *Second Workshop on Quantitative Syntax.Proceedings*. Rec. Chiara Alzetta, Aditya Bhargava. - Stroudsburg, USA : The Association for Computational Linguistics, 2021, p. 65-73. ISBN 978-1-955917-15-5.

AFG Abstracts of papers from foreign conferences

- AFG01 BOLTEN, Matthias - PHILIPPE, Laurent - ARBENZ, Peter - DAOUDI, El Mostafa - NEYTCHEVA, Maya - VAJTERŠIC, Marián. Parallel numerical methods and applications. In *Euro-Par 2016: parallel processing : proceedings*. - Springer International Publishing, 2016, p. XXII-XXIII. ISBN 978-3-319-43658-6. ISSN 0302-9743.

AFG02 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina. Multiple Concatenation and State Complexity (Extended Abstract). In *Descriptional Complexity of Formal Systems : Proceedings LNCS 12442*. - Springer International Publishing, 2020, p. 78-90. ISBN 978-3-030-62536-8.

AFG03 WIMMER, Gejza - WITKOVSKÝ, Viktor. Computing the distribution of collective risk models via numerical inversion of the characteristic function. In *CFE-CMStatistics 2016 : 10th International Conference on Computational and Financial Econometrics (CFE 2016) and 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2016). Programme and Abstracts*. - CFE and CMStatistics Networks, 2016, p. 110. ISBN 978-9963-2227-1-1.

AFH Abstracts of papers from domestic conferences

AFH01 HOSPODÁR, Michal. The story of concatenation. In *18. Konferencia košických matematikov*. - Košice : Technická univerzita, 2017, p. 20-21. ISBN 978-80-553-3146-1. Dostupné na internete: <<http://people.tuke.sk/jan.busa/JSMF/Herlany2017BOA.pdf>>

BAB Professional books published in Slovak publishing houses

BAB01 RUSKO, Miroslav - ANDRÁŠ, Peter - BEVILAQUA, Dušan - ČERKALA, Emil - DADOVÁ, Jana - FERENCZ, Vojtech - HRAŠKO, Juraj - KIZEKOVÁ, Marianna - KLINDA, Jozef - KLINEC, Ivan - KOLLÁR, Vojtech - KONTRIŠ, Jaroslav - KONTRIŠOVÁ, Oľga - KOTOVICOVÁ, Jana - KUCZMAN, Gabriel - LUMNITZER, Ervin - MIKLÓS, Ladislav - NEMOGA, Karol - PODHORANSKÝ, Peter - PROCHÁZKOVÁ, D. - VRÁBLÍKOVÁ, Jaroslava. *Terminologické propedeutikum z environmentalistiky*. Vojtech Dirner, Jozef Mihok, Anton Osvald. Bratislava : Slovenská spoločnosť pre životné prostredie ; Žilina : STRIX, n. f., 2017. 400 s. Environmentálne vedy, 72. ISBN 978-80-971926-2-4

BEE Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)

BEE01 HALAŠ, Radomír - PÓCS, Jozef. On some algebraic properties of discrete Sugeno integrals: composition and associativity. In *The 15th International Conference on Modeling Decisions for Artificial Intelligence : USB proceedings*. - Palma de Mallorca, Spain, 2018, p. 13-18. ISBN 978-84-09-05005-5.

BEF Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)

BEF01 FLATZ, Markus - VAJTERŠIC, Marián. Nonnegative Matrix Factorization via Newton iteration for shared-memory systems. In *Proceedings of the Conference Algoritmy 2016* [elektronický zdroj]. A. Handlovičová, D. Ševčovič (eds.). - Bratislava : Slovak University of Technology, 2016, p. 312-322. ISBN 978-80-227-4544-4. Názov z webovej stránky. Požaduje sa Adobe Reader. Dostupné na internete: <<http://www.iam.fmph.uniba.sk/amuc/ojs/index.php/algoritmy/article/view/420>>

BEF02 PLÁVALOVÁ, Eva. Veľké nádeje pre exoplanéty. In *Astronomická ročenka 2018*. Zostavil Eduard Pittich. - Hurbanovo : Slovenská ústredná hvezdáreň, 2017, s. 182-185. ISBN 978-80-85221-94-7.

EAI Comprehensive overview book publications

EAI01 DVUREČENSKIJ, Anatolij - HOLÁ, Ľubica - JANKOVÁ, Katarína - RIEČAN, Beloslav. *Tibor Neubrunn (1929-1990)*. Praha : MatfyzPress, 2016. 131 s. Dějiny matematiky, 61. ISBN 978-80-7378-313-6

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:265824

EDJ Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications

EDJ01 STRAUCH, Oto - BELASOVÁ, Jana - HOLÁ, Ľubica - BALÁŽ, Vladimír. *Tibor Šalát (1926-2005)*. Rec: Štefan Porubský, János Tóth. Bratislava : VEDA, Vydavateľstvo SAV, 2019. 216 p. ISBN 978-80-224-1741-9

FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)

FAI01 *Tenth Workshop on Non-Classical Models of Automata and Applications (NCMA 2018)*. Rudolf Freund, Michal Hospodár, Galina Jirásková, Giovanni Pighizzini (eds.). Wien : Österreichische Computer Gesellschaft, 2018. 214 p. ISBN 978-3-903035-21-8

FAI02 *Norwegian-Slovakian Workshop in Crypto : proceedings*. O. Grošek, T. Helleseth, A. Kholosha, K. Nemoga, I. Semaev, P. Zajac (eds.). Bratislava : Slovak University of Technology, 2016. 78 p. ISBN 978-80-227-4541-3

FAI03 *Descriptive complexity of formal systems : Proceedings LNCS 11612*. Michal Hospodár, Galina Jirásková, Stavros Konstantinidis (eds.). Springer International Publishing, 2019. 299 p. Lecture Notes in Computer Science, 11612. ISBN 978-3-030-23246-7. ISSN 0302-9743

FAI04 *Implementation and application of automata : Proceedings LNCS 11601*. Michal Hospodár, Galina Jirásková (eds.). Springer International Publishing, 2019. 249 p. Lecture Notes in Computer Science, 11601. ISBN 978-3-030-23678-6. ISSN 0302-9743

FAI05 *Descriptive Complexity of Formal Systems : Proceedings LNCS 12442*. Eds. Galina Jiraskova, Giovanni Pighizzini. Springer International Publishing, 2020. 245 p. LNCS, 12442. Dostupné na: <https://doi.org/10.1007/978-3-030-62536-8>. ISBN 978-3-030-62536-8

FAI06 *Language and Text: Data, models, information and applications*. Eds. Adam Pawlowski, Ján Mačutek, Sheila Embleton, George Mikros. Amsterdam : John Benjamin Publishing Company, 2021. 277 p. Current Issues in Linguistic Theory, Vol. 356. Dostupné na: <https://doi.org/10.1075/cilt.356>. ISBN 978-90-272-1010-4

FAI07 *Globálne existenciálne riziká 2019 : zborník o IX. medzinárodnej vedeckej konferencie, 2. december 2019, Bratislava* = Global existential risks '2019.

Proceedings of the 9th International Scientific Conference, December 2, 2019, Bratislava, Slovakia. Eds. Miroslav RUSKO - Ivan KLINEC – Karol NEMOGA. Žilina : Strix, 2019. 274 s. ESE, 51. Dostupné na internete: <<https://www.sszp.eu/?p=2914#respond>>. ISBN 978-80-89753-35-2

FAI08 *Globálne existenciálne riziká 2020 : zborník z X. medzinárodnej vedeckej konferencie - 10. september 2020, Bratislava* = Global existential risks '2020. Proceedings of the 10th International Scientific Conference, September 10, 2020, Bratislava. Eds. Miroslav Rusko - Ivan Klinec – Karol Nemoga. Bratislava : Strix, SSŽP, 2020. 275 s. ESE, 53. Dostupné na internete: <<https://www.sszp.eu/?p=3030#respond>>. ISBN 978-80-973460-4-1

FAI09 *Euro HCC 2017 : proceedings*. J. von zur Gathen, O. Grošek, K. Nemoga, A. Wacker (eds.). Bratislava : SPEKTRUM STU, 2017. 77 p. ISBN 978-80-227-4687-8

GHG Works published on the internet

GHG01 *Tenth Workshop on Non-Classical Models of Automata and Applications (NCMA 2018) : short papers*. Rudolf Freund, Michal Hospodár, Galina Jirásková, Giovanni Pighizzini (eds.). Wien : Österreichische Computer Gesellschaft, 2018. 52 p.

GHG02 HOLZER, Markus - HOSPODÁR, Michal. *On the magic number problem of the cut operation : IFIG Research Report 1703* [elektronický zdroj]. Giessen : Institut für Informatik, 2017. 15 p. Názov z internetu. Dostupné na internete: <<http://www.informatik.uni-giessen.de/reports/Report1703.pdf>>

GHG03 HOLZER, Markus - HOSPODÁR, Michal*. The complexity of languages resulting from the cut operation in the unary case. In *Tenth Workshop on Non-Classical Models of Automata and Applications (NCMA 2018) : short papers*. - Wien : Österreichische Computer Gesellschaft, 2018, p. 25-33. Dostupné na internete: <http://im.saske.sk/ncma2018/ncma2018_shortpapers.pdf>

GHG04 HOSPODÁR, Michal - PALMOVSKÝ, Matúš*. Nondeterministic complexity of power and positive closure on subclasses of convex languages. In *Tenth Workshop on Non-Classical Models of Automata and Applications (NCMA 2018) : short papers*. - Wien : Österreichische Computer Gesellschaft, 2018, p. 35-43. Dostupné na internete: <http://im.saske.sk/ncma2018/ncma2018_shortpapers.pdf>

GHG05 JIRÁSKOVÁ, Galina. Report on CIAA 2018 : Conference on implementation and application of automata. In *Bulletin of the EATCS*, 2019, vol. 127. Požaduje sa Adobe Reader

GHG06 KOŠČ, Ivan - KOŠČOVÁ, Michaela - ODLER, Robert. Perspectives of quantitative-linguistics methods in police psychoanalysis. In *FEATURE, SUPERIOR, LAW Theses of additional participants international scientific and practical conference, dedicated to the memory of Professor S.P. Bocharovo*, 2021, 236 p. Dostupné na internete: <<http://dspace.lvduvs.edu.ua/bitstream/1234567890/3846/1/%D0%9A%D1%83%D1%86%D0%B8%D0%B9%20%D1%82%D0%B5%D0%B7%D0%B8%2015.04.21%20%D0%BA%D0%BE%D0%BD%D1%84%D0%B5%D1%80%D0%B5%D0%B>>

D%D1%86%D1%96%D1%8F%20%D1%85%D0%B0%D1%80%D0%BA%D1%96%D0%B2%20%D0%BA%D0%BE%D1%80%D0%BF%D0%BE%D1%80.%D0%BA%D1%83%D0%BB%D1%8C%D1%82%20%D0%B2%20%D0%BC%D0%B2%D1%81.pdf>

- GHG07 KUDO, Shuhei - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. *Parallel one-sided block Jacobi SVD algorithm with dynamic ordering and variable blocking: performance analysis and optimization : Technical Report 2016-02* [elektronický zdroj]. Salzburg : Universität Salzburg, 2016. 17 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://www.uni-salzburg.at/fileadmin/multimedia/Computerwissenschaften/3_Forschung/2016-02_Kudo_Yamamoto_Becka_Vajtersic.pdf>
- GHG08 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. *Asymptotic quadratic convergence of the two-sided serial and parallel block-Jacobi SVD algorithm : Technical Report 2017-01* [elektronický zdroj]. Salzburg : Universität Salzburg, 2017. 19 p. Názov z internetu. Dostupné na internete: <<https://pdfs.semanticscholar.org/45d8/63cb405bfb6b5ee869a097a16e97e1ed72fc.pdf>>
- GHG09 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. *Asymptotic quadratic convergence of the two-sided serial and parallel block-Jacobi SVD algorithm - update : Technical Report 2018-01* [elektronický zdroj]. Salzburg : Universität Salzburg, 2018. 6 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://www.uni-salzburg.at/fileadmin/multimedia/Computerwissenschaften/documents/Technical_Reports/2018-01_Oksa_Yamamoto_Vajtersic.pdf>
- GHG10 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. *Asymptotic quadratic convergence of the parallel block-Jacobi EVD algorithm for Hermitian matrices : Technical Report 2016-01* [elektronický zdroj]. Salzburg : Universität Salzburg, 2016. 11 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://www.uni-salzburg.at/fileadmin/multimedia/Computerwissenschaften/documents/Technical_Reports/2016-01_Oksa_Yamamoto_Vajtersic-2.pdf>
- GHG11 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. *On convergence to singular triplets in the two-sided block-Jacobi SVD algorithm with dynamic ordering: Part I : Technical report 2020-02* [elektronický zdroj]. Salzburg : Universität Salzburg, 2020. 19 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://uni-salzburg.at/fileadmin/multimedia/Computerwissenschaften/documents/Technical_Reports/2020-02_Oksa_Yamamoto_Vajtersic.pdf>
- GHG12 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. *On convergence to singular triplets in the two-sided block-Jacobi SVD algorithm with dynamic ordering: Part II : Technical report 2021-01* [elektronický zdroj]. Salzburg, Austria : University of Salzburg, Department of Computer Sciences, 2021. 10 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:

<https://www.plus.ac.at/wp-content/uploads/2021/04/2021-01_Oksa_Yamamoto_Vajtersic.pdf>

- GHG13 YAMAMOTO, Yusaku - OKŠA, Gabriel* - VAJTERŠIC, Marián. *Convergence of eigenvectors in the block classical Jacobi method for the symmetric eigenvalue problem : Technical report 2019-04* [elektronický zdroj]. Salzburg : Universität Salzburg, 2019. 14 p. Názov z internetu. Požaduje sa Adobe Reader

GII Other publications and documents which is not possible to categorize into classes/categories mentioned above

- GII01 PARNUM 2017 : book of abstracts. Eds. D. Bartuschat, U. Rűde, M. Vajteršic. Erlangen, Germany, 2017. 31 p.
- GII02 ČUNDERLÍKOVÁ, Katarína. A memory of Prof. RNDr. Beloslav Riečan, DrSc. In *Journal of Universal Mathematics*, 2018, vol. 1, no. 3, p. 258-260. ISSN 2618-5660. Dostupné na internete: <<http://dergipark.gov.tr/download/article-file/560600>>
- GII03 ČUNDERLÍKOVÁ, Katarína. In Memoriam: Professor Beloslav Riečan. In *Notes on Intuitionistic Fuzzy Sets*, 2018, vol. 24, no. 4, p. 1-4. ISSN 1310-4926. Dostupné na internete: <<http://ifigenia.org/images/f/f8/NIFS-24-4-001-004.pdf>>
- GII04 DILNA, Nataliya - DVUREČENSKIJ, Anatolij. Michal Fečkan (on his 60th birthday). In *Nonlinear Oscillations*, 2021, vol. 24, no. 1, p. 141-144. ISSN 1562-3076.
- GII05 DILNA, Nataliya - DVUREČENSKIJ, Anatolij. Prof. RNDr. Michal Fečkan, Dr.Sc. - Sexagenarian? In *Mathematica Slovaca*, 2021, roč. 71, č. 2, s. 265-266. (2020: 0.770 - IF, Q3 - JCR, 0.445 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0465>
- GII06 ĐURIŠ, S. - ĐURIŠOVÁ, Z. - WIMMER, Gejza - WITKOVSKÝ, Viktor - PAVLÁSEK, P. - PALENČÁR, J. Determination of certified value and its uncertainty by several methods showed on gaseous primary reference material of ethanol in nitrogen prepared by gravimetric method. In *Mathematics, Statistics and Computation to Support Measurement Quality (MSCSMQ 2018) : Book of Abstracts*. - St. Petersburg, Russia : Mendeleyev Institute for Metrology, 2018, p. 158-159.
- GII07 DVUREČENSKIJ, Anatolij - PAPČO, Martin. A ostatné sa pridá. In *Obzory matematiky, fyziky a informatiky*, 2021, roč. 50, č. 1, s. 30-36. ISSN 1335-4981.
- GII08 DVUREČENSKIJ, Anatolij. Doc. RNDr. Roman Frič, DrSc. passed away. In *Mathematica Slovaca*, 2021, vol. 71, no. 1, p. 5-10. (2020: 0.770 - IF, Q3 - JCR, 0.445 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0448>
- GII09 DVUREČENSKIJ, Anatolij. Doc. RNDr. Roman Frič, DrSc. - 3/4C? In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 4, . s. 60-63. ISSN 1335-4981.
- GII10 DVUREČENSKIJ, Anatolij. Doc. RNDr. Roman Frič, DrSc. - 3/4 C? In *Mathematica Slovaca*, 2020, vol. 70, no. 1, p. 1-4. (2019: 0.654 - IF, Q3 - JCR,

0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na:
<https://doi.org/10.1515/ms-2017-0326>

- GII11 DVUREČENSKIJ, Anatolij. Dvaja matematici - deväťdesiatnici. In *Obzory matematiky, fyziky a informatiky*, 2021, roč. 50, č. 1, s. 53-56. ISSN 1335-4981.
- GII12 DVUREČENSKIJ, Anatolij. K histórii rozvoja matematiky na Slovensku [The History of the Development of Mathematics in Slovakia]. In *Obzory matematiky, fyziky a informatiky*, 2018, roč. 47, č. 2, s. 53-54. ISSN 1335-4981.
- GII13 DVUREČENSKIJ, Anatolij. Matematický ústav SAV má 60 rokov. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 4, s. 10. ISSN 1335-4981.
- GII14 DVUREČENSKIJ, Anatolij - WITKOVSKÝ, Viktor. Profesor Gejza Wimmer, sedemdesiatnik? In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 1, s. 46-50. ISSN 1335-4981.
- GII15 DVUREČENSKIJ, Anatolij. Prof. Beloslav Riečan passed away. In *Mathware and Soft Computing Magazine*, 2018, vol. 25, no. 2, p. 12-13. ISSN 1134-5632.
- GII16 DVUREČENSKIJ, Anatolij. Prof. RNDr. Tibor Neubrunn, DrSc. a začiatky teórie kvantových logík na Slovensku. In *Obzory matematiky, fyziky a informatiky*, 2016, roč. 45, č. 1, s. 69-72. ISSN 1335-4981.
- GII17 DVUREČENSKIJ, Anatolij - WITKOVSKÝ, Viktor. Prof. RNDr. Gejza Wimmer, DrSc. - A Septuagenarian? In *Mathematica Slovaca*, 2019, vol. 69, no. 2, p. 253-256. (2018: 0.490 - IF, Q4 - JCR, 0.279 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0219>
- GII18 DVUREČENSKIJ, Anatolij. Prof. RNDr. Ján Jakubík, DrSc. passed away : Prof. RNDr. Ján Jakubík, DrSc. and his life and work. In *Mathematica Slovaca*, 2016, vol. 66, no. 1, p. 1-4. (2015: 0.366 - IF, Q4 - JCR, 0.518 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2015-0110>
- GII19 DVUREČENSKIJ, Anatolij. Prof. RNDr. Pavel Brunovský, DrSc. passed away : *Dec. 5, 1934 - †Dec. 14, 2018 . In *Mathematica Slovaca*, 2019, vol. 69, no. 1, p. 1-4. (2018: 0.490 - IF, Q4 - JCR, 0.279 - SJR, Q3 - SJR). ISSN 0139-9918.
- GII20 DVUREČENSKIJ, Anatolij. Prof. RNDr. Andrej Pázman, DrSc. Osemdesiatnik? In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 2, s. 31-34. ISSN 1335-4981.
- GII21 DVUREČENSKIJ, Anatolij - VOLAUFOVÁ, J. - WIMMER, Gejza - WITKOVSKÝ, Viktor. Prof. RNDr. Ing. Lubomír Kubáček, DrSc., Dr.h.c. – Nonagenarian. In *Mathematica Slovaca*, 2021, vol. 71, no. 1, p. 1-4. (2020: 0.770 - IF, Q3 - JCR, 0.445 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0447>
- GII22 DVUREČENSKIJ, Anatolij. Prof. RNDr. Beloslav Riečan, DrSc., Dr.h.c. : *Nov. 10, 1936 - †Aug. 13, 2018. In *Mathematica Slovaca*, 2018, vol. 68, no. 5, p.

951-956. (2017: 0.314 - IF, Q4 - JCR, 0.339 - SJR, Q3 - SJR). (2018 - WOS, SCOPUS). ISSN 0139-9918.

- GII23 DVUREČENSKIJ, Anatolij. Quo vadis, slovenská matematika? In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 2, s. 1-7. ISSN 1335-4981.
- GII24 DVUREČENSKIJ, Anatolij. RNDr. Kvetoslava Dvořáková passed away. In *Mathematica Slovaca*, 2019, vol. 69, no. 6, p. 1235-1236. (2018: 0.490 - IF, Q4 - JCR, 0.279 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0326>
- GII25 DVUREČENSKIJ, Anatolij. The life jubilee of prof. RNDr. Sylvia Pulmannová, DrSc. In *Mathematica Slovaca*, 2019, vol. 69, no. 3, p. 475-478. (2018: 0.490 - IF, Q4 - JCR, 0.279 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2017-0240>
- GII26 DVUREČENSKIJ, Anatolij. Za profesorom Beloslavom Riečanom. In *Akadémia : správy SAV*, 2018, roč. 54, č. 5, s. 26. ISSN 0139-6307.
- GII27 DVUREČENSKIJ, Anatolij. Zomrel prof. RNDr. Ján Jakubík, DrSc., nestor slovenských matematikov. In *Obzory matematiky, fyziky a informatiky*, 2016, roč. 45, č. 1, s. 65-67. ISSN 1335-4981.
- GII28 DVUREČENSKIJ, Anatolij. Zomrel prof. RNDr. Beloslav Riečan, DrSc. Dr.h.c. : Spiritus mathematicus et musicus slovensiensis. In *Obzory matematiky, fyziky a informatiky*, 2018, roč. 47, č. 4, s. 55-60. ISSN 1335-4981.
- GII29 DVUREČENSKIJ, Anatolij. Zomrel prof. RNDr. Pavol Brunovský, DrSc. In *Pokroky matematiky, fyziky a astronomie*, 2018, roč. 63, č. 4, s. 285-287. ISSN 0032-2423.
- GII30 DVUREČENSKIJ, Anatolij. Zomrel RNDr. Miloslav Duchoň, DrSc. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 1, s. 51-53. ISSN 1335-4981.
- GII31 DVUREČENSKIJ, Anatolij. Životné jubileum doc. RNDr. Silvie Pulmannovej, DrSc. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 2, s. 35-38. ISSN 1335-4981.
- GII32 ELIAŠ, Peter - REPICKÝ, Miroslav - ŠUPINA, Jaroslav. Profesor Lev Bukovský sa dožíva významného životného jubilea. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 4, s. 56-59. ISSN 1335-4981.
- GII33 FEČKAN, Michal** - MARYNETS, Kateryna. Study of differential equations with exponential nonlinearities via the Lower and Upper Solutions Method. In *Numerical Analysis and Applicable Mathematics*, 2020, vol. 1, no. 2, p. 1-7. Dostupné na: <https://doi.org/10.36686/Ariviyal.NAAM.2020.01.02.007>
- GII34 FRÍČ, Roman - HOLÁ, Ľubica. Ján Borsík (1955-2019). In *Tatra Mountains Mathematical Publications*, 2019, vol. 74, p. 1-6. (2018: 0.226 - SJR, Q3 - SJR). ISSN 1210-3195.

- GII35 FRIČ, Roman. Profesor Marián Trenkler sedemdesiatročný. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 1, s. 38-41. ISSN 1335-4981.
- GII36 FRIČ, Roman. Profesor Anatolij Dvurečenskij sa dožíva významného jubilea. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 1, s. 42-45. ISSN 1335-4981.
- GII37 FRIČ, Roman. Spomíname za docentom Jánom Borsíkom. In *Obzory matematiky, fyziky a informatiky*, 2019, roč. 48, č. 4, s. 71-72. ISSN 1335-4981.
- GII38 HALUŠKOVÁ, Emília. Lož má krátke nohy. In *Matmix*, 2019, roč. 25, č. 2, s. 3-5. ISSN 1336-7854.
- GII39 HALUŠKOVÁ, Emília. On limit closed classes of algebras. In *AAA94 + NSAC 2017. The 94th Workshop on General Algebra : abstracts*. - Srbsko : University of Novi Sad, 2017, p. 30. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<<https://sites.dmi.uns.ac.rs/aaa94nsac2017/wp-content/uploads/2017/06/knjiga-apstrakata-235-x-165.pdf>>
- GII40 HALUŠKOVÁ, Emília. The endomorphism Kernel property for monounary algebras. In *Applications of Algebra XXI : Zakopane, 20th-26th March, 2017*, 2017, p. 21.
- GII41 HALUŠKOVÁ, Emília - LABÁTH, Ivan. Zipfov zákon. In *Mladý vedec*, 2019, roč. 13, č. 43, s. 24-25. ISSN 1337-5873.
- GII42 HOLZER, Markus - HOSPODÁR, Michal*. The range of state complexities of languages resulting from the cut operation. In *DLT's Satellite workshop in Kyoto. In honor of Masami Ito's KIJU and Pál Dömösi's 75th birthday : abstracts of the talks*. - Kyoto : Kyoto Sangyo University, 2018, p. 12. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<https://satellitedlt.sciencesconf.org/data/pages/Proceedings_3.pdf>
- GII43 HOSPODÁR, Michal - PALMOVSKÝ, Matúš. Nondeterministic complexity of power and positive closure on subclasses of convex languages. In *DLT's Satellite workshop in Kyoto. In honor of Masami Ito's KIJU and Pál Dömösi's 75th birthday : abstracts of the talks*. - Kyoto : Kyoto Sangyo University, 2018, p. 14. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<https://satellitedlt.sciencesconf.org/data/pages/Proceedings_3.pdf>
- GII44 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - PIGHIZZINI, Giovanni. Preface : NCMA 2018. In *Journal of Automata, Languages and Combinatorics : Special issue dedicated to NCMA 2018*, 2020, vol. 25, no. 2-3, p. 81-82. (2019: 0.172 - SJR, Q4 - SJR). ISSN 1430-189X. Dostupné na: <https://doi.org/10.25596/jalc-2020-081>
- GII45 JIRÁSKOVÁ, Galina - CÂMPEANU, Cezar. Special Issue on Implementation and Application of Automata : Preface. In *Theoretical Computer Science*, 2021, vol. 870, p. 1-2. (2020: 0.827 - IF, Q4 - JCR, 0.464 - SJR, Q2 - SJR, Current Contents -

CCC). (2021 - Current Contents). ISSN 0304-3975. Dostupné na:
<https://doi.org/10.1016/j.tcs.2021.05.001>

- GII46 KUTIL, Rade - FLATZ, Markus - VAJTERŠIC, Marián. Convergence and parallelization of Nonnegative Matrix Factorization with Newton iteration. In *PARNUM 2017 : book of abstracts*. - Erlangen, Germany, 2017, p. 11. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<https://www.researchgate.net/publication/318792575_BOOK_OF_ABSTRACTS_of_PARNUM_2017_-_11th_International_Workshop_on_Parallel_Numerics#pff>
- GII47 MONTEIRO, Giselle Antunes. A note on Kurzweil-Stieltjes integrability and some particular classes of functions. In *Real Analysis Exchange : Report on the Summer Symposium in Real Analysis XXXX* [elektronický zdroj]. - Sarajevo, Bosnia and Herzegovina : International University of Sarajevo, 2016, [1 p.]. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<<https://www.stolaf.edu/analysis/Sarajevo2016/aSarajevoReport/Web2016/Abstracts/MonteiroAbstract.pdf>>
- GII48 MONTEIRO, Giselle Antunes. Convergence results for the abstract Kurzweil-Stieltjes integral: a survey. In *Seminar on ordinary differential equations and integration theory : Special session in honor of the 90th birthday of Jaroslav Kurzweil* [elektronický zdroj]. - Praha : Institute of Mathematics of Czech Academy of Sciences, 2016, [p. 7]. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <<http://users.math.cas.cz/~tvrdy/JK90-prg.pdf>>
- GII49 MONTEIRO, Giselle Antunes. Extremal solutions of measure differential equations and application to impulsive systems. In *O. D. Equations Brno 2016 : Program and Abstracts* [elektronický zdroj]. - Brno : Masaryk University, 2016, p. 24. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<http://conference.math.muni.cz/ode60/data/uploads/abstract_book.pdf>
- GII50 OKŠA, Gabriel - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. Asymptotic quadratic convergence of the two-sided parallel block-Jacobi SVD algorithm. In *10th International Workshop on Parallel Matrix Algorithms and Applications (PMAA 18) : programme and abstracts*. - Switzerland : ETH Zürich, 2018, p. 17.
- GII51 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. Asymptotic quadratic convergence of the parallel block-Jacobi EVD algorithm for Hermitian matrices. In *PMAA16: Parallel Matrix Algorithms and Applications : book of abstracts*. - Bordeaux : University of Bordeaux, 2016, p. 56.
- GII52 OKŠA, Gabriel - YAMAMOTO, Yusaku - BEČKA, Martin - VAJTERŠIC, Marián. Convergence of the parallel Block-Jacobi EVD algorithm for Hermitian matrices. In *PARNUM 2017 : book of abstracts*. - Erlangen, Germany, 2017, p. 18. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete:
<https://www.researchgate.net/publication/318792575_BOOK_OF_ABSTRACTS_of_PARNUM_2017_-_11th_International_Workshop_on_Parallel_Numerics#pf16>

- GII53 PLÁVALA, Martin. A simple demonstration of incompatibility of measurements. In *Quantum : the open journal for quantum science*, 2018, vol. 2, p. 8. (2018 - WOS, SCOPUS). ISSN 2521-327X. Dostupné na: <https://doi.org/10.22331/qv-2018-07-11-8>
- GII54 PULMANNOVÁ, Sylvia. Corrigendum to Banach synaptic algebras. In *International Journal of Theoretical Physics*, 2018, vol. 57, no. 12, p. 3772-3775. (2017: 0.968 - IF, Q3 - JCR, 0.285 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-7748. Dostupné na: <https://doi.org/10.1007/s10773-018-3889-x>
- GII55 ROSAEV, A. - PLÁVALOVÁ, Eva - GALIAZZO, Mattia. List of the Close Asteroid Pairs Strongly Perturbed by Three-body Resonances. In *Research Notes of the American Astronomical Society*, 2020, vol. 4, no. 12, id 239, p. 1. ISSN 2515-5172. Dostupné na: <https://doi.org/10.3847/2515-5172/abd3a1>
- GII56 WIMMER, Gejza - WITKOVSKÝ, Viktor. Confidence regions for parameters in two-dimensional linear comparative calibration model. In *MathMet 2019 : Book of Abstracts*. - Lisbon, Portugal : LNEC – National Laboratory for Civil Engineering, 2019, p. 46.
- GII57 WIMMER, Gejza. Niečo z matematiky, niečo z hudby. In *Obzory matematiky, fyziky a informatiky*, 2018, roč. 47, č. 4, s. 13-15. ISSN 1335-4981.
- GII58 WIMMER, Gejza - WITKOVSKÝ, Viktor. Revisited S4 from EA-4/02 (Calibration of a gauge block of nominal length 50 mm). In *Mathematics, Statistics and Computation to Support Measurement Quality (MSCSMQ 2018) : Book of Abstracts*. - St. Petersburg, Russia : Mendeleyev Institute for Metrology, 2018, p. 152-153.
- GII59 WITKOVSKÝ, Viktor - WIMMER, Gejza. On inverse and direct prediction in polynomial comparative calibration. In *MathMet 2019 : Book of Abstracts*. - Lisbon, Portugal : LNEC – National Laboratory for Civil Engineering, 2019, p. 47.
- GII60 ŽÁČIK, Tíbor - MRAČKA, Igor - HAJOSSY, Rudolf - HYČKO, Marek. Reinforcement Learning in Gas Transport Control. In *PSIG 2018*. - Utah : Pipeline Simulation Interest Group, 2018, 2018. Dostupné na internete: <<https://onepetro.org/PSIGAM/proceedings-abstract/PSIG18/All-PSIG18/PSIG-1806/2088>>