

## Príloha A-3

### Publikačná činnosť organizácie

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#### AAA Vedecké monografie vydané v zahraničných vydavateľstvách

- AAA01 LÜCK, Wolfgang - MACKO, Tibor. Surgery Theory : Foundations. With contributions by Diarmuid Crowley. Cham : Springer Nature Switzerland AG, 2024. 956 p. Grundlehren der mathematischen Wissenschaften. A Series of Comprehensive Studies in Mathematics, Volume 362. Dostupné na: <https://doi.org/10.1007/978-3-031-56334-8>. ISBN 978-3-031-56333-1. ISSN 0072-7830

#### ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

- ADCA01 AL-OUSSHOUSH, Nizar Kh.\*\* - AZAR, Laith E. - AWWAD, Essam - KRNIC, Mario - SAIED, Ahmed I.. Some new dynamic inequalities for B-monotone functions with respect to time scales nabla calculus. In Journal of Inequalities and Applications, 2024, vol. 2024, art. nr. 122. (2023: 1.5 - IF, Q1 - JCR, 0.448 - SJR, Q2 - SJR). ISSN 1029-242X. Dostupné na: <https://doi.org/10.1186/s13660-024-03202-5>
- ADCA02 ANTONI, Ľubomír\*\* - ELIAŠ, Peter - GUNIŠ, Ján - KOTLÁROVÁ, Dominika - KRAJČI, Stanislav - KRÍDLO, Ondrej - SOKOL, Pavol - ŠNAJDER, Ľubomír. Bimorphisms and attribute implications in heterogeneous formal contexts. In International Journal of Approximate Reasoning, 2024, vol. 172, art. nr. 109245. (2023: 3.2 - IF, Q2 - JCR, 0.877 - SJR, Q1 - SJR). ISSN 0888-613X. Dostupné na: <https://doi.org/10.1016/j.ijar.2024.109245> (APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy. VEGA 2/0097/20 : Algebraické a topologické aspekty agregáčnych funkcií)
- ADCA03 AWWAD, Essam\*\* - SAIED, Ahmed I.. Some weighted dynamic inequalities of Hardy type with kernels on time scales nabla calculus. In Journal of Mathematical Inequalities, 2024, vol. 18, no. 2, p. 457-475. (2023: 1.1 - IF, Q1 - JCR, 0.426 - SJR, Q3 - SJR). ISSN 1846-579X. Dostupné na: <https://doi.org/10.7153/jmi-2024-18-25>
- ADCA04 BATTELLI, Flaviano - FEČKAN, Michal. Correction to: Periodic Solutions in Slowly Varying Discontinuous Differential Equations: A Non-Generic Case : Correction to original article: <https://doi.org/10.1007/s10884-022-10155-0>. In Journal of Dynamics and Differential Equations, 2024, vol. 36, p. 2999-3010. (2023: 1.4 - IF, Q1 - JCR, 0.967 - SJR, Q1 - SJR). ISSN 1040-7294. Dostupné na: <https://doi.org/10.1007/s10884-022-10234-2>
- ADCA05 BATTELLI, Flaviano - FEČKAN, Michal - WANG, JinRong. Heteroclinic solutions in singularly perturbed discontinuous differential equations: a non-generic case. In Electronic Journal of Qualitative Theory of Differential Equations, 2024, vol. 27, p. 1-30. (2023: 1.1 - IF, Q1 - JCR, 0.478 - SJR, Q2 - SJR). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2024.1.27> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA06 BATTELLI, Flaviano - FEČKAN, Michal - WANG, JinRong. Heteroclinic solutions in singularly perturbed discontinuous differential equations. In Journal of differential equations, 2024, vol. 400, p. 314-375. (2023: 2.4 - IF, Q1 - JCR, 2.046 - SJR, Q1 - SJR). ISSN 0022-0396. Dostupné na: <https://doi.org/10.1016/j.jde.2024.04.022> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a

- dynamických systémov)
- ADCA07 BATTELLI, Flaviano - FEČKAN, Michal. Periodic Solutions in Slowly Varying Discontinuous Differential Equations: A Non-Generic Case. In *Journal of Dynamics and Differential Equations*, 2024, vol. 36, pp. 463-496. (2023: 1.4 - IF, Q1 - JCR, 0.967 - SJR, Q1 - SJR). ISSN 1040-7294. Dostupné na: <https://doi.org/10.1007/s10884-022-10155-0> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA08 BATTELLI, Flaviano - FEČKAN, Michal - WANG, JinRong. On Existence of Heteroclinic Connections in Discontinuous Kurland-Levi Differential Equations with Slowly Varying Coefficients. In *International Journal of Bifurcation and Chaos*, 2024, vol. 34, no. 16, art. nr. 2450208, 33 p. (2023: 1.9 - IF, Q2 - JCR, 0.57 - SJR, Q1 - SJR). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127424502080> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA09 BENEŠ, V. - SVÍTEK, Miroslav - MICHALÍKOVÁ, Alžbeta - MELICHERČÍK, M. Situation model of the transport, transport emissions and meteorological conditions. In *Neural network world : international journal on non-standard computing and artificial intelligence*, 2024, vol. 34, no. 1, p. 27-36. (2023: 0.7 - IF, Q4 - JCR, 0.251 - SJR, Q4 - SJR). ISSN 1210-0552. Dostupné na: <https://doi.org/10.14311/NNW.2024.34.002>
- ADCA10 ČUNDERLÍKOVÁ, Katarína. On Another Type of Convergence for Intuitionistic Fuzzy Observables. In *Mathematics*, 2024, vol. 12, iss. 1, art. no. 127. (2023: 2.3 - IF, Q1 - JCR, 0.475 - SJR, Q2 - SJR). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math12010127> (VEGA 2/0122/23 : Viachodnotové modely neurčitosti)
- ADCA11 DANCA, Marius-F.\*\* - FEČKAN, Michal. Memory Principle of the MATLAB Code for Lyapunov Exponents of Fractional-Order. In *International Journal of Bifurcation and Chaos*, 2024, vol. 34, no. 12, art. nr. 2450156, p. 1-11. (2023: 1.9 - IF, Q2 - JCR, 0.57 - SJR, Q1 - SJR). ISSN 0218-1274. Dostupné na: <https://doi.org/10.1142/S0218127424501566> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA12 DILNA, Natália\*\* - FEKETE, Gusztáv - LANGEROVÁ, Martina - TÓTH, Balázs. Ulam-Hyers and Generalized Ulam-Hyers Stability of Fractional Differential Equations with Deviating Arguments. In *Mathematics*, 2024, vol. 12, no. 21, art. nr. 3418. (2023: 2.3 - IF, Q1 - JCR, 0.475 - SJR, Q2 - SJR). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math12213418> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA13 DOBREV, Stefan - NARAYANAN, Lata - OPATRNY, Jaroslav - PANKRATOV, Denis. Exploration of High-Dimensional Grids by Finite State Machines. In *Algorithmica*, 2024, vol. 86, no. 5, p. 1700-1729. (2023: 0.9 - IF, Q3 - JCR, 0.905 - SJR, Q1 - SJR). ISSN 0178-4617. Dostupné na: <https://doi.org/10.1007/s00453-024-01207-6>
- ADCA14 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid - SHENAVAEI, M. - BORZOOEI, R.A.\*\*. n-roots on MV-algebras. In *Fuzzy Sets and Systems*, 2024, vol. 484, art. no. 108930. (2023: 3.2 - IF, Q1 - JCR, 1.009 - SJR, Q1 - SJR). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2024.108930> (APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy. VEGA 2/0142/20 : Matematické modely neklasických javov a neurčitosti)
- ADCA15 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid\*\*. MV-algebras and their corresponding Bézout domains. In *Communications in Algebra*, 2024, vol. 52, no. 12, p. 5165-5179. (2023: 0.6 - IF, Q3 - JCR, 0.619 - SJR, Q2 - SJR). ISSN 0092-7872. Dostupné na: <https://doi.org/10.1080/00927872.2024.2367165>

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- ADCA16 FEČKAN, Michal - DANCA, Marius-F. - CHEN, Guanrong. Fractional Differential Equations with Impulsive Effects. In *Fractal and Fractional*, 2024, vol. 8, no. 9, art. nr. 500. (2023: 3.6 - IF, Q1 - JCR, 0.645 - SJR, Q2 - SJR). ISSN 2504-3110. Dostupné na: <https://doi.org/10.3390/fractalfract8090500> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA17 FEČKAN, Michal - LI, Shan - WANG, JinRong. Discontinuous differential equation for modelling the Antarctic Circumpolar Current. In *COMMUNICATIONS IN ANALYSIS AND MECHANICS*, 2024, vol. 16, iss. 4, p. 836-857. ISSN 2836-3310. Dostupné na: <https://doi.org/10.3934/cam.2024036> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA18 GUNIŠ, Ján - ŠNAJDER, Ľubomír - ANTONI, Ľubomír - ELIAŠ, Peter - KRÍDLO, Ondrej - KRAJČI, Stanislav. Formal Concept Analysis of Students' Solutions on Computational Thinking Game. In *IEEE transactions on education*, 2024, p. 1-13. (2023: 2.1 - IF, Q2 - JCR, 0.793 - SJR, Q1 - SJR). ISSN 0018-9359. Dostupné na: <https://doi.org/10.1109/TE.2024.3442612> (APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy. VEGA 2/0097/20 : Algebraické a topologické aspekty agregáčnych funkcií)
- ADCA19 HALAŠ, Radomír - PÓCS, Jozef. On zero-divisor graphs of infinite posets. In *Soft Computing*, 2024, vol. 28, p. 12113-12118. (2023: 3.1 - IF, Q2 - JCR, 0.81 - SJR, Q2 - SJR). ISSN 1432-7643. Dostupné na: <https://doi.org/10.1007/s00500-024-09958-8> (VEGA 2/0104/24 : Nové perspektívy a aplikácie vo výskume agregáčnych funkcií. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA20 HALUŠKOVÁ, Emília - SCHWARTZOVÁ, Radka\*\*. On discrete properties of Bernoulli shift. In *International Journal of Geometric Methods in Modern Physics*, 2024, vol. 21, no. 8, art. nr. 2450160, 14 p. (2023: 2.1 - IF, Q2 - JCR, 0.467 - SJR, Q2 - SJR). ISSN 0219-8878. Dostupné na: <https://doi.org/10.1142/S0219887824501603> (VEGA 2/0104/24 : Nové perspektívy a aplikácie vo výskume agregáčnych funkcií)
- ADCA21 HASIL, Petr - POSPÍŠIL, Michal\*\* - POSPÍŠILOVÁ ŠKRIPKOVÁ, Lucia - VESELÝ, Michal. Note on oscillation of neutral differential equations with multiple delays. In *Electronic Journal of Qualitative Theory of Differential Equations*, 2024, vol. 39, p. 1-18. (2023: 1.1 - IF, Q1 - JCR, 0.478 - SJR, Q2 - SJR). ISSN 1417-3875. Dostupné na: <https://doi.org/10.14232/ejqtde.2024.1.39> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA22 HASIL, Petr - POSPÍŠIL, Michal - ŠIŠOLÁKOVÁ, Jiřina - VESELÝ, Michal\*\*. Oscillation criterion for linear equations with coefficients containing powers of natural logarithm. In *Monatshefte für Mathematik*, 2024, vol. 203, p. 91-109. (2023: 0.8 - IF, Q2 - JCR, 0.627 - SJR, Q2 - SJR). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-023-01910-6> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA23 HIAI, Fumio - JENČOVÁ, Anna.  $\alpha$ -z-Rényi Divergences in von Neumann Algebras: Data Processing Inequality, Reversibility, and Monotonicity Properties in  $\alpha$ , z. In *Communications in Mathematical Physics*, 2024, vol. 405, art. nr. 271. (2023: 2.2 - IF, Q1 - JCR, 1.612 - SJR, Q1 - SJR). ISSN 0010-3616. Dostupné na: <https://doi.org/10.1007/s00220-024-05124-1>
- ADCA24 HOLÁ, Ľubica. Ascoli-Type Theorem for Baire 1 Functions. In *Mathematics*, 2023, vol. 11, no. 17, art. nr. 3694. (2022: 2.4 - IF, Q1 - JCR, 0.446 - SJR, Q2 - SJR). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math11173694> (Topologické štruktúry a priestory funkcií : APVV-20-0045. VEGA 2/0048/21 : Topologické

- štruktúry na priestoroch funkcií)
- ADCA25 CHARVÁTOVÁ CAMPBELL, A.\*\* - GERŠLOVÁ, Z. - ŠINDLÁŘ, V. - ŠLESINGER, R. - WIMMER, Gejza. New framework for nanoindentation curve fitting and measurement uncertainty estimation. In Precision Engineering : journal of the international societies for precision engineering and nanotechnology, 2024, vol. 85, p. 166-173. (2023: 3.5 - IF, Q1 - JCR, 0.902 - SJR, Q1 - SJR). ISSN 0141-6359. Dostupné na: <https://doi.org/10.1016/j.precisioneng.2023.10.001>
- ADCA26 CHEN, Fei - FEČKAN, Michal - WANG, JinRong. Existence and stability results for a second-order differential equation for the Antarctic circumpolar current. In Monatshefte für Mathematik, 2024, vol. 203, pp. 809-824. (2023: 0.8 - IF, Q2 - JCR, 0.627 - SJR, Q2 - SJR). ISSN 0026-9255. Dostupné na: <https://doi.org/10.1007/s00605-023-01868-5> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA27 JENČOVÁ, Anna. Recoverability of quantum channels via hypothesis testing. In Letters in Mathematical Physics, 2024, vol. 114, art. nr. 31. (2023: 1.3 - IF, Q3 - JCR, 0.855 - SJR, Q1 - SJR). ISSN 0377-9017. Dostupné na: <https://doi.org/10.1007/s11005-024-01775-2> (VEGA 2/0142/20 : Matematické modely neklasických javov a neurčitosti. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA28 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing. Combined effects of nonlinear diffusion and gradient-dependent flux limitation on a chemotaxis-haptotaxis model. In Zeitschrift für angewandte Mathematik und Physik, 2024, vol. 75, no. 1, art. no. 4. (2023: 1.7 - IF, Q2 - JCR, 0.931 - SJR, Q1 - SJR). ISSN 0044-2275. Dostupné na: <https://doi.org/10.1007/s00033-023-02134-2>
- ADCA29 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing\*\*. Finite-time blow-up and boundedness in a quasilinear attraction-repulsion chemotaxis system with nonlinear signal productions. In Nonlinear Analysis: Real World Applications, 2024, vol. 77, art. nr. 104023. (2023: 1.8 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR). ISSN 1468-1218. Dostupné na: <https://doi.org/10.1016/j.nonrwa.2023.104023>
- ADCA30 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing\*\*. An Attraction-Repulsion Chemotaxis System: The Roles of Nonlinear Diffusion and Productions. In Acta Applicandae Mathematicae, 2024, vol. 190, art. nr. 5. (2023: 1.2 - IF, Q2 - JCR, 0.789 - SJR, Q2 - SJR). ISSN 0167-8019. Dostupné na: <https://doi.org/10.1007/s10440-024-00641-6>
- ADCA31 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing\*\*. Global Behavior in a Two-Species Chemotaxis-Competition System with Signal-Dependent Sensitivities and Nonlinear Productions. In Applied Mathematics & Optimization, 2024, vol. 90, art. nr. 11. (2023: 1.6 - IF, Q2 - JCR, 0.916 - SJR, Q1 - SJR). ISSN 0095-4616. Dostupné na: <https://doi.org/10.1007/s00245-024-10137-2>
- ADCA32 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing\*\*. Global existence in a fully parabolic attraction-repulsion chemotaxis system with singular sensitivities and proliferation. In Journal of differential equations, 2024, vol. 411, p. 227-267. (2023: 2.4 - IF, Q1 - JCR, 2.046 - SJR, Q1 - SJR). ISSN 0022-0396. Dostupné na: <https://doi.org/10.1016/j.jde.2024.07.005>
- ADCA33 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing. Boundedness and stabilization in a two-species chemotaxis-competition system with signal-dependent sensitivities and indirect signal consumption. In Journal of Mathematical Analysis and Applications, 2024, vol. 540, no. 1, art. nr. 128546. (2023: 1.2 - IF, Q1 - JCR, 0.816 - SJR, Q1 - SJR). ISSN 0022-247X. Dostupné na: <https://doi.org/10.1016/j.jmaa.2024.128546>
- ADCA34 JIAO, Zhan - JADLOVSKÁ, Irena - LI, Tongxing\*\*. Analysis of an SIS reaction-diffusion-chemotaxis epidemic model with gradient-dependent flux limitation and standard incidence. In Discrete and Continuous Dynamical Systems -

- Series B, 2024, vol. 29, no. 9, p. 3731-3743. (2023: 1.3 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR). ISSN 1531-3492. Dostupné na: <https://doi.org/10.3934/dcdsb.2024021>
- ADCA35 JIRÁSKOVÁ, Galina\*\* - KLÍMA, Ondřej. On linear languages recognized by deterministic biautomata. In *Information and Computation*, 2022, vol. 286, art. nr. 104778. (2021: 1.240 - IF, Q3 - JCR, 0.543 - SJR, Q2 - SJR, karentované - CCC). (2022 - Current Contents). ISSN 0890-5401. Dostupné na: <https://doi.org/10.1016/j.ic.2021.104778>
- ADCA36 KARABÁŠ, Ján - NEDELA, Roman - SKYVOVÁ, Mária. Computing equivalence classes of finite group actions on orientable surfaces. In *Journal of Pure and Applied Algebra*, 2024, vol. 228, no. 6, art. nr. 107578. (2023: 0.7 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR). ISSN 0022-4049. Dostupné na: <https://doi.org/10.1016/j.jpaa.2023.107578> (APVV-19-0308 : Výnimočné štruktúry v diskkrétnej matematike. VEGA 2/0078/20 : Grafové invarianty, symetrie a ohodnotenia)
- ADCA37 KARABÁŠ, Ján - MÁČAJOVÁ, Edita - NEDELA, Roman - ŠKOVIERA, Martin\*\*. Cubic graphs with colouring defect 3. In *The electronic journal of combinatorics*, 2024, vol. 31, no. 2, art. nr. P2.6. (2023: 0.7 - IF, Q2 - JCR, 0.893 - SJR, Q1 - SJR). ISSN 1077-8926. Dostupné na: <https://doi.org/10.37236/12333> (APVV-19-0308 : Výnimočné štruktúry v diskkrétnej matematike)
- ADCA38 KOCHOL, Martin. Linear Algebraic Relations among Cardinalities of Sets of Matroid Functions. In *Mathematics*, 2023, vol. 11, no. 11, art. nr. 2570. (2022: 2.4 - IF, Q1 - JCR, 0.446 - SJR, Q2 - SJR). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math11112570> (VEGA 2/0042/22 : Chromatické problémy a polynómy)
- ADCA39 MEDVED, Milan - POSPÍŠIL, Michal - BRESTOVANSKÁ, Eva. A New Nonlinear Integral Inequality with a Tempered  $\Psi$ -Hilfer Fractional Integral and Its Application to a Class of Tempered  $\Psi$ -Caputo Fractional Differential Equations. In *Axioms*, 2024, vol. 13, no. 5, art. no. 301. (2023: 1.9 - IF, Q1 - JCR). ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390/axioms13050301> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA40 MESIAROVÁ-ZEMÁNKOVÁ, Andrea\*\* - MESIAR, Radko - SU, Yong - WANG, Zhudeng. Idempotent uninorms on bounded lattices with a most a single point incomparable with the neutral element: Part II : online article. In *International Journal of General Systems*, 2024. (2023: 2.4 - IF, Q2 - JCR, 0.528 - SJR, Q2 - SJR). ISSN 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2024.2375437> (VEGA 1/0036/23 : Pokročilé prístupy k agregácii dát a ich aplikácie. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA41 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Uninorms internal on one or more non-trivial cuts. In *Information Sciences*, 2024, vol. 653, art. nr. 119793. (2023: 2.238 - SJR, Q1 - SJR). ISSN 0020-0255. Dostupné na: <https://doi.org/10.1016/j.ins.2023.119793> (APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA42 MESIAROVÁ-ZEMÁNKOVÁ, Andrea\*\* - HOLČAPEK, Michal. Commutative, associative and monotone functions on horizontal sum of chains. In *Fuzzy Sets and Systems*, 2024, vol. 479, art. nr. 108843. (2023: 3.2 - IF, Q1 - JCR, 1.009 - SJR, Q1 - SJR). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2023.108843> (VEGA 1/0036/23 : Pokročilé prístupy k agregácii dát a ich aplikácie. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA43 MESIAROVÁ-ZEMÁNKOVÁ, Andrea\*\* - MESIAR, Radko - SU, Yong - WANG, Zhudeng. Idempotent uninorms on bounded lattices with at most single point incomparable with the neutral element: Part I : online article. In *International Journal of General Systems*, 2024. (2023: 2.4 - IF, Q2 - JCR, 0.528 - SJR, Q2 - SJR). ISSN

- 0308-1079. Dostupné na: <https://doi.org/10.1080/03081079.2024.2375441> (VEGA 1/0036/23 : Pokročilé prístupy k agregácii dát a ich aplikácie. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA44 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Representation of non-commutative, idempotent, associative functions by pair-orders. In *Fuzzy Sets and Systems*, 2024, vol. 475, art. nr. 108759. (2023: 3.2 - IF, Q1 - JCR, 1.009 - SJR, Q1 - SJR). ISSN 0165-0114. Dostupné na: <https://doi.org/10.1016/j.fss.2023.108759> (VEGA 1/0036/23 : Pokročilé prístupy k agregácii dát a ich aplikácie. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADCA45 POSPÍŠIL, Michal - POSPÍŠILOVÁ-ŠKRIPKOVÁ, Lucia. Existence Results for Differential Equations with Tempered  $\Psi$ -Caputo Fractional Derivatives. In *Axioms*, 2024, vol.13, no. 10, art. no. 680. (2023: 1.9 - IF, Q1 - JCR). ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390/axioms13100680> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA46 SAIED, Ahmed I. A study on reversed dynamic inequalities of Hilbert-type on time scales nabla calculus. In *Journal of Inequalities and Applications*, 2024, vol. 2024, art.nr. 75. (2023: 1.5 - IF, Q1 - JCR, 0.448 - SJR, Q2 - SJR). ISSN 1029-242X. Dostupné na: <https://doi.org/10.1186/s13660-024-03091-8>
- ADCA47 SUO, Leping - FEČKAN, Michal - WANG, JinRong\*\*. Controllability and observability results for quaternion-valued impulsive differential equations. In *Rocky Mountain Journal of Mathematics*, 2024, vol. 54, no. 4, p. 1175-1211. (2023: 0.7 - IF, Q2 - JCR, 0.424 - SJR, Q2 - SJR). ISSN 0035-7596. Dostupné na: <https://doi.org/10.1216/rmj.2024.54.1175> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA48 YANG, Jian - WANG, JinRong\*\* - FEČKAN, Michal. Consensus of nonlinear multiagent systems with mode-dependent delay via stochastic sampled data under Markovian switching topologies. In *International Journal of Robust and Nonlinear Control*, 2024, vol. 34, no. 1, p. 222-239. (2023: 3.2 - IF, Q1 - JCR, 1.459 - SJR, Q1 - SJR). ISSN 1049-8923. Dostupné na: <https://doi.org/10.1002/rnc.6968> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA49 YANG, Maosong - FEČKAN, Michal - WANG, JinRong\*\*. Solution to delayed linear discrete system with constant coefficients and second-order differences and application to iterative learning control. In *International Journal of Adaptive Control and Signal Processing*, 2024, vol. 38, p. 677-695. (2023: 3.9 - IF, Q2 - JCR, 0.793 - SJR, Q2 - SJR). ISSN 0890-6327. Dostupné na: <https://doi.org/10.1002/acs.3722> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA50 YANG, Maosong - FEČKAN, Michal - WANG, JinRong\*\*. Ulam's Type Stability of Delayed Discrete System with Second-Order Differences. In *Qualitative Theory of Dynamical Systems*, 2024, vol. 23, art. no. 11. (2023: 1.9 - IF, Q1 - JCR, 0.517 - SJR, Q2 - SJR). ISSN 1575-5460. Dostupné na: <https://doi.org/10.1007/s12346-023-00868-y> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADCA51 YANG, Taoyu - FEČKAN, Michal - WANG, JinRong\*\*. Study of nonlinear trapped lee waves in the modified  $\beta$ -plane approximation. In *Physics of Fluids*, 2024, vol. 36, no. 8, art. nr. 086623. (2023: 4.1 - IF, Q1 - JCR, 1.05 - SJR, Q1 - SJR). ISSN 1070-6631. Dostupné na: <https://doi.org/10.1063/5.0228355> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADCA52 ZAKARYA, M. - ALNEMER, Ghada - SAIED, Ahmed I. - REZK, H. M.\*\*. Novel generalized inequalities involving a general Hardy operator with multiple variables and general kernels on time scales. In *AIMS Mathematics*, 2024, vol. 9, no. 8, p.

21414-21432. (2023: 1.8 - IF, Q1 - JCR, 0.456 - SJR, Q2 - SJR). ISSN 2473-6988.

Dostupné na: <https://doi.org/10.3934/math.20241040>

ADCA53

ZAKARYA, Mohammed - SAIED, Ahmed I. - AL-THAQFAN, Amirah Ayidh I - ALI, Maha - REZK, Haytham M.\*\*. On Some New Dynamic Hilbert-Type Inequalities across Time Scales. In *Axioms*, 2024, vol. 13, no. 7, art. no. 475. (2023: 1.9 - IF, Q1 - JCR). ISSN 2075-1680. Dostupné na: <https://doi.org/10.3390/axioms13070475>

### **ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných**

ADEB01

ELIAŠ, Peter - ANTONI, Ľubomír\*\* - KRÍDLO, Ondrej - KRAJČI, Stanislav. Additional Notes on Heterogeneous Concept-Forming Operators. In *Computational Intelligence and Mathematics for Tackling Complex Problems 5.* - Cham : Springer, 2024, 2024, p. 1-7. ISBN 978-3-031-46978-7. ISSN 1860-949X. Dostupné na: [https://doi.org/10.1007/978-3-031-46979-4\\_1](https://doi.org/10.1007/978-3-031-46979-4_1) (VEGA 2/0097/20 : Algebrické a topologické aspekty agregáčnych funkcií)

ADEB02

KOŠČ, Ivan - KOŠČOVÁ, Michaela - STOLÁRIK, Peter - MOKRÁ, Jana. Modern technical solutions for border control (Mobile, Data, Collection and Analysis Center). In *Határrendészeti tanulmányok*, 2024, vol. 21, no. 4, p. 105-117. ISSN 2061-3997. Dostupné na internete: [https://rtk.uni-nke.hu/document/rtk-uni-nke-hu/Hatrend\\_Tan\\_2024\\_4\\_k%C3%BCI%C3%B6nszam\\_HSQA.pdf](https://rtk.uni-nke.hu/document/rtk-uni-nke-hu/Hatrend_Tan_2024_4_k%C3%BCI%C3%B6nszam_HSQA.pdf)

### **ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

ADMA01

ALI, Muhammad Aamir - LIU, Wei\*\* - FURUICHI, Shigeru - FEČKAN, Michal\*\*.  
Improved Hermite-Hadamard Inequality Bounds for Riemann-Liouville Fractional Integrals via Jensen's Inequality. In *Fractal and Fractional*, 2024, vol. 8, no. 9, art. nr. 547. (2023: 3.6 - IF, Q1 - JCR, 0.645 - SJR, Q2 - SJR). ISSN 2504-3110.

Dostupné na: <https://doi.org/10.3390/fractalfract8090547> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)

ADMA02

ATTIA, Emad R. - JADLOVSKÁ, Irena\*\*.  
New oscillation criteria for first-order differential equations with general delay argument. In *Turkish Journal of Mathematics*, 2024, vol. 48, no. 4, p. 734-748. (2023: 0.8 - IF, Q2 - JCR, 0.41 - SJR, Q2 - SJR). ISSN 1300-0098. Dostupné na: <https://doi.org/10.55730/1300-0098.3537>

ADMA03

ČECH, Radek\*\* - KOSEK, Pavel - NAVRÁTILOVÁ, Olga - MAČUTEK, Ján.  
Development of the word order of the reflexive enclitic *sě/se* dependent on a finite verb in Czech translations of the Gospel of Matthew from the 14th to the 21st century. In *Journal of Historical Linguistic*, 2024, vol. 14, iss. 3, pp. 385-426. (2023: 0.5 - IF, 0.149 - SJR, Q3 - SJR). ISSN 2210-2116. Dostupné na:

<https://doi.org/10.1075/jhl.21029.cec> (VEGA č. 2/0096/21 : Probability distributions and their applications in modelling and testing. APVV-21-0216 : Advanced mathematical and statistical methods for measurement and metrology)

ADMA04

GRAEF, John R.\*\* - JADLOVSKÁ, Irena.  
Canonical representation of third-order delay dynamic equations on time scales. In *Differential Equations and Applications*, 2024, vol. 16, no. 1, p. 1-18. (2023: 0.7 - IF, Q3 - JCR). ISSN 1847-120X. Dostupné na: <https://doi.org/10.7153/dea-2024-16-01>

ADMA05

HALUŠKOVÁ, Emília.  
On discrete properties of monotone mappings. In *Asian-European Journal of Mathematics*, 2023, vol.16, no. 10, art.no. 2350178, 14 p. (2023 - WOS, Scopus). ISSN 1793-5571. Dostupné na: <https://doi.org/10.1142/S1793557123501784> (VEGA 2/0097/20 : Algebrické a

- ADMA06 topologické aspekty agregáčnych funkcií  
HALUŠKOVÁ, Emília. On discrete properties of continuous monotone functions. In Miskolc Mathematical Notes, 2024, vol. 25, no. 2, p. 699-712. (2023: 0.9 - IF, Q2 - JCR, 0.357 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: <https://doi.org/10.18514/MMN.2024.4459> (VEGA 2/0104/24 : Nové perspektívy a aplikácie vo výskume agregáčnych funkcií)
- ADMA07 HOLÁ, Ľubica - HOLÝ, Dušan. Minimal cusco maps and the topology of uniform convergence on compacta. In Filomat, 2023, vol. 37, no. 13, p. 4249-4259. (2022: 0.8 - IF, Q3 - JCR, 0.368 - SJR, Q3 - SJR). ISSN 0354-5180. Dostupné na: <https://doi.org/10.2298/FIL2313249H> (Topologické štruktúry a priestory funkcií : APVV-20-0045. VEGA 2/0048/21 : Topologické štruktúry na priestoroch funkcií)
- ADMA08 HOLÁ, Ľubica - MIRMOSTAFAGE, Alireza Kamel\*\*. Some results on joint continuity of two variable set-valued mappings. In Topology and its Applications, 2024, vol. 341, art. nr. 108734. (2023: 0.6 - IF, Q3 - JCR, 0.432 - SJR, Q3 - SJR). ISSN 0166-8641. Dostupné na: <https://doi.org/10.1016/j.topol.2023.108734> (VEGA 2/0048/21 : Topologické štruktúry na priestoroch funkcií. Topologické štruktúry a priestory funkcií : APVV-20-0045)
- ADMA09 PITKA, Tomáš - BUCKO, Jozef - KRAJČI, Stanislav - KRÍDLO, Ondrej - GUNIŠ, Ján - ŠNAJDER, Ľubomír - ANTONI, Ľubomír - ELIAŠ, Peter. Time analysis of online consumer behavior by decision trees, GUHA association rules, and formal concept analysis. In Journal of Marketing Analytics, 2024, vol. 12, p. 1-24. (2023: 4.0 - IF, Q2 - JCR, 0.735 - SJR, Q1 - SJR). ISSN 2050-3318. Dostupné na: <https://doi.org/10.1057/s41270-023-00274-y> (APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy. VEGA 2/0097/20 : Algebraické a topologické aspekty agregáčnych funkcií)
- ADMA10 RAJ, Ajay - MACKO, Tibor. On Manifolds Homotopy Equivalent to the Total Spaces of  $S^7$ -Bundles over  $S^8$ . In Archivum Mathematicum, 2024, vol. 60, p. 125-134. (2023: 0.5 - IF, Q3 - JCR, 0.186 - SJR, Q4 - SJR). ISSN 0044-8753. Dostupné na: <https://doi.org/10.5817/AM2024-3-125>

#### **ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

- ADMB01 ČUNDERLÍKOVÁ, Katarína. A note about almost uniform convergence on D-poset of intuitionistic fuzzy sets. In Notes on Intuitionistic Fuzzy Sets, 2024, vol. 30, no. 1, p. 56-65. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2024.30.1.56-65> (VEGA 2/0122/23 : Viachodnotové modely neurčitosti)
- ADMB02 ČUNDERLÍKOVÁ, Katarína. Almost uniformly convergence on MV-algebra of intuitionistic fuzzy sets. In Notes on Intuitionistic Fuzzy Sets, 2023, vol. 29, no. 4, pp. 335-342. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2023.29.4.335-342> (VEGA 2/0122/23 : Viachodnotové modely neurčitosti)
- ADMB03 DILNA, Natália\*\* - FEČKAN, Michal - WANG, JinRong. A Note on Quaternion Linear Dynamical Systems. In Journal of Mathematical Sciences, 2024, vol. 278, no. 6, pp. 950-962. (2023: 0.302 - SJR, Q3 - SJR). ISSN 1072-3374. Dostupné na: <https://doi.org/10.1007/s10958-024-06973-w> (VEGA 2/0127/20 : Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov)
- ADMB04 DILNA, Natália - LANGEROVÁ, Martina. Ulam-Hyers and generalized Ulam-Hyers stability of fractional functional integro-differential equations. In IFAC-PapersOnLine, 2024, vol. 58, no. 12, pp. 280-285. (2023: 0.365 - SJR). ISSN 2405-8963. Dostupné na: <https://doi.org/10.1016/j.ifacol.2024.08.203> (VEGA



2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)

- ADMB05 DORA, Jean Rosemond - HLUCHÝ, Ladislav - NEMOGA, Karol. Exploitation of the Java deserialization vulnerability to access ForgeRock-OpenAM server. In SISY 2023 - IEEE 21st International Symposium on Intelligent Systems and Informatics : Proceedings. - Budapest, Hungary : IEEE, 2023, p. 345-350. ISBN 979-8-3503-4336-6. Dostupné na: <https://doi.org/10.1109/SISY60376.2023.10417960> (SISY 2023 : IEEE 21st International Symposium on Intelligent Systems and Informatics)
- ADMB06 DORA, Jean Rosemond - HLUCHÝ, Ladislav - NEMOGA, Karol. Detection and exploitation of intelligent platform management interface (IPMI)\*. In SAMI 2024 - 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics, Proceedings. - Danvers : IEEE, 2024, p. 265-270. ISBN 979-8-3503-1720-6. Dostupné na: <https://doi.org/10.1109/SAMI60510.2024.10432895> (SAMI 2024 : 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics)
- ADMB07 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Representation and Embedding of Pseudo MV-algebras with Square Roots I. Strict Square Roots. In Journal of Applied Logics : IFColog Journal of logics and their Applications, 2024, vol. 11, no. 4, p. 499-527. (2023: 0.4 - IF, Q4 - JCR, 0.251 - SJR, Q4 - SJR). ISSN 2055-3706. Dostupné na internete: <https://www.collegepublications.co.uk/ifcolog/?00066> (VEGA 2/0142/20 : Matematické modely neklasických javov a neurčitosti. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADMB08 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Representation and Embedding of Pseudo MV-algebras with Square Roots II. Closures. In Journal of Applied Logics : IFColog Journal of logics and their Applications, 2024, vol. 11, no. 4, p. 529-563. (2023: 0.4 - IF, Q4 - JCR, 0.251 - SJR, Q4 - SJR). ISSN 2055-3706. Dostupné na internete: <https://www.collegepublications.co.uk/ifcolog/?00066> (VEGA 2/0142/20 : Matematické modely neklasických javov a neurčitosti. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADMB09 HAVIAR, Miroslav - KOTULOVÁ, Katarína. Characterization of kites as graceful graphs. In CUBO : A Mathematical Journal, 2024, vol. 26, no. 3, p. 367-386. (2023: 0.6 - IF, Q3 - JCR, 0.206 - SJR, Q4 - SJR). ISSN 0716-7776. Dostupné na: <https://doi.org/10.56754/0719-0646.2603.367> (VEGA 2/0078/20 : Grafové invarianty, symetrie a ohodnotenia)
- ADMB10 HOSPODÁR, Michal\*\* - OLEJÁR, Viktor - ŠEBEJ, Juraj. Decision Problems for Subregular Classes. In Implementation and Application of Automata : Proceedings. - Cham, Switzerland : Springer, 2024, 2024, p. 180-194. ISBN 978-3-031-71111-4. ISSN 0302-9743. Dostupné na: [https://doi.org/10.1007/978-3-031-71112-1\\_13](https://doi.org/10.1007/978-3-031-71112-1_13) (VEGA 2/0096/23 : Automaty a formálne jazyky: popisná a výpočtová zložitosť. CIAA 2024 International Conference on Implementation and Application of Automata)
- ADMB11 JENČOVÁ, Anna. The exponential Orlicz space in quantum information geometry. In Information Geometry, 2024, vol. 7, p. 377-395. (2023: 0.387 - SJR, Q3 - SJR). ISSN 2511-2481. Dostupné na: <https://doi.org/10.1007/s41884-023-00097-x> (VEGA 2/0142/20 : Matematické modely neklasických javov a neurčitosti. APVV-20-0069 : Pravdepodobnostné, algebraické a kvantovo-mechanické metódy)
- ADMB12 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina\*\* - SHALLIT, Jeffrey. State Complexity of the Minimal Star Basis. In Implementation and Application of Automata : Proceedings, 2024, p. 195-207. ISSN 0302-9743. Dostupné na: [https://doi.org/10.1007/978-3-031-71112-1\\_14](https://doi.org/10.1007/978-3-031-71112-1_14) (VEGA 2/0096/23 : Automaty a formálne jazyky: popisná a výpočtová zložitosť. CIAA 2024 International

- ADMB13 Conference on Implementation and Application of Automata)  
LESHCHUK, S. - DILNA, Natália - GROD, I. - RADCHENKO, O. - HNOIOVA, T. The implementation of STE(A)M education through Scratch projects. In Journal of Physics: Conference Series : ICon-MaSTEd 2024 - XVI International Conference on Mathematics, Science and Technology Education, 2024, vol. 2871, art. nr. 012018, 15 p. (2023: 0.18 - SJR). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/2871/1/012018> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADMB14 MICHALÍKOVÁ, Alžbeta - DUDÁŠ, Adam. Some notes on the relationships between intuitionistic fuzzy sets and correlation analysis. In Notes on Intuitionistic Fuzzy Sets, 2024, vol. 30, no. 1, p. 77-91. ISSN 1310-4926. Dostupné na: <https://doi.org/10.7546/nifs.2024.30.1.77-91>

#### **ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

- ADNA01 ALI, Muhammad Aamir - FEČKAN, Michal - PROMSAKON, Chanon - SITTHIWIRATTHAM, Thanin. A new Approach of Generalized Fractional Integrals in Multiplicative Calculus and Related Hermite–Hadamard-Type Inequalities with Applications. In Mathematica Slovaca, 2024, vol. 74, no. 6, p. 1445-1456. (2023: 0.9 - IF, Q2 - JCR, 0.404 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2024-0105> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADNA02 JADLOVSKÁ, Irena - CHATZARAKIS, George E.\*\* - TUNC, Ercan. Kneser-type oscillation theorems for second-order functional differential equations with unbounded neutral coefficients. In Mathematica Slovaca, 2024, vol. 74, no. 3, s. 637-664. (2023: 0.9 - IF, Q2 - JCR, 0.404 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2024-0049> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)
- ADNA03 KAOUACHE, Smail - FEČKAN, Michal - HALIM, Yacine - KHELIFA, Amira. Theoretical analysis of higher-order system of difference equations with generalized balancing numbers. In Mathematica Slovaca, 2024, vol. 74, no. 3, p. 691-702. (2023: 0.9 - IF, Q2 - JCR, 0.404 - SJR, Q2 - SJR). ISSN 0139-9918. Dostupné na: <https://doi.org/10.1515/ms-2024-0052> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov)

#### **AECA Vedecké práce v zahraničných recenzovaných zborníkoch a kratšie kapitoly/state v zahraničných vedeckých monografiách alebo VŠ učebniciach**

- AECA01 CHARVÁTOVÁ CAMPBELL, A. - ŠLESINGER, R. - Klapetek, P. - CHVOSTEKOVÁ, Martina - HAJZOKOVÁ, Laura - WITKOVSKÝ, Viktor - WIMMER, Gejza. Locally best linear unbiased estimation of regression curves specified by nonlinear constraints on the model parameters. In Advanced Mathematical and Computational Tools in Metrology and Testing XIII. - Singapur : World Scientific Publishing, 2024, p. 143-150. ISBN 978-981-98-0066-7. Dostupné na: [https://doi.org/10.1142/9789819800674\\_0012](https://doi.org/10.1142/9789819800674_0012)
- AECA02 JASTRZEBSKA, Malgorzata - HALUŠKOVÁ, Emília. On Integers in Limit Constructions of Algebraic Structures. In Computer Algebra Systems in Teaching and Research 2024 : Volume XIII. - Siedlce, Poland : University of Siedlce, 2024, 2024, vol. 13, p. 107-118. ISBN 978-83-68355-03-1. (VEGA 2/0104/24 : Nové perspektívy a aplikácie vo výskume agregáčnych funkcií)
- AECA03 WIMMER, Gejza - WITKOVSKÝ, Viktor - FIŠEROVÁ, E. Linearization region in

the straight-line calibration. In *Advanced Mathematical and Computational Tools in Metrology and Testing XIII*. - Singapur : World Scientific Publishing, 2024, p. 330-337. ISBN 978-981-98-0066-7. Dostupné na: [https://doi.org/10.1142/9789819800674\\_0030](https://doi.org/10.1142/9789819800674_0030) (APVV-21-0216 : Advanced mathematical and statistical methods for measurement and metrology. APVV-21-0195 : Výskum možností digitálnej transformácie kontinuálnych dopravných systémov. VEGA č. 2/0096/21 : Probability distributions and their applications in modelling and testing. VEGA č. 2/0023/22 : Causal analysis of measured signals and time series)

#### **AFC Publikované príspevky na zahraničných vedeckých konferenciách**

- AFC01 FEKETE, Gusztav\*\* - MÁTÉ, Márton - POPA-MÜLLER, Izolda - WANG, Hai-Qiao - DILNA, Natália - NEMOGA, Karol. Computational Wear Prediction in Total Knee Replacements as a FUncTion of Replacement Size. In *Material Strength and Applied Mechanics : Proceedings*. 59. Advances in Transdisciplinary Engineering, 2024, vol. 59, p. 494-500. Dostupné na: <https://doi.org/10.3233/ATDE240585> (VEGA 2/0062/24 : Kvalitatívne vlastnosti a oscilácie diferenciálnych rovníc a dynamických systémov. VEGA 2/0119/23 : Teória čísel a jej aplikácie. APVV-19-0220 : Ontologická reprezentácia pre bezpečnosť informačných systémov. MSAM 2024 : International Conference)
- AFC02 JIANG, Xinyan - BÍRÓ, István - WANG, Hai-Qiao - DILNA, Natália - NEMOGA, Karol - FEKETE, Gusztáv\*\*. Experimental Study on Ground Reaction Force Parameters with Regard to Novice and Recreational Runners. In *Material Strength and Applied Mechanics : Proceedings*. 59. Advances in Transdisciplinary Engineering. Eds. Alexander Khotsianovsky, Yuan Chen. - Amsterdam, Netherlands : IOS Press, 2024, 2024, vol. 59, p. ISBN 978-1-64368-547-2. Dostupné na: <https://doi.org/10.3233/ATDE240590> (MSAM 2024 : International Conference)
- AFC03 KUBÁT, Miroslav\*\* - MAČUTEK, Ján - ČECH, Radek - NOGOLOVÁ, Michaela. Automatic Genre Classification of Czech Texts Based on Syntactic Functions. In *New Frontiers in Textual Data Analysis*. Eds. Giuseppe Giordano, Michelangelo Misuraca. - Cham, Switzerland : Springer, 2024, p. 163-172. ISBN 978-3-031-55916-7. ISSN 1431-8814. Dostupné na: [https://doi.org/10.1007/978-3-031-55917-4\\_13](https://doi.org/10.1007/978-3-031-55917-4_13) (VEGA č. 2/0096/21 : Probability distributions and their applications in modelling and testing. APVV-21-0216 : Advanced mathematical and statistical methods for measurement and metrology)
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## ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

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**ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach**

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