

## Zoznam publikačnej činnosti 2015

Katedra matematiky a deskriptívnej geometrie, SvF STU v BA

### ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách

ACB01 KALINA, Martin - MINARECHOVÁ, Zuzana. *Applied Mathematics for Civil Engineers*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2015. 278 s. Edícia vysokoškolských učebníc. ISBN 978-80-227-4448-5.

### ADC Vedecké práce v zahraničných karentovaných časopisoch

- ADC01 AGAHI, Hamzeh - BABAKHANI, Azizollah - MESIAR, Radko. Pseudo-fractional integral inequality of Chebyshev type. In *Information Sciences*. Vol. 301, (2015), s. 161-168. ISSN 0020-0255 (2015: 3.364 - IF, Q1 - JCR Best Q, 1.960 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000350929100010 ; CC ; SCOPUS ; DOI: 10.1016/j.ins.2014.12.056.
- ADC02 AGAHI, Hamzeh - MESIAR, Radko. On Cauchy-Schwarz's inequality for Choquet like integrals without the comonotonicity condition. In *Soft Computing*. Vol. 19, no. 6 (2015), s. 1627-1634. ISSN 1432-7643 (2015: 1.630 - IF, Q2 - JCR Best Q, 0.759 - SJR, Q1 - SJR Best Q). V databáze: CC: 000354500300014 ; SCOPUS ; DOI: 10.1007/s00500-014-1578-0.
- ADC03 AGAHI, Hamzeh - MOHAMMADPOUR, Adel - MESIAR, Radko. Generalizations of some probability inequalities and L-p convergence of random variables for any monotone measure. In *Brazilian Journal of Probability and Statistics*. Vol. 29, č. 4 (2015), s. 878-896. ISSN 0103-0752 (2015: 0.420 - IF, Q4 - JCR Best Q, 0.377 - SJR, Q3 - SJR Best Q). V databáze: CC: 000362310900009 ; SCOPUS ; DOI: 10.1214/14-BJPS251.
- ADC04 BABAKHANI, Azizollah - AGAHI, Hamzeh - MESIAR, Radko. A (star, \*)-based Minkowski's inequality for Sugeno fractional integral of order  $\alpha > 0$ . In *Fractional Calculus and Applied Analysis*. Vol. 18, no. 4 (2015), s. 862-874. ISSN 1311-0454 (2015: 2.246 - IF, Q1 - JCR Best Q, 1.551 - SJR, Q1 - SJR Best Q). V databáze: CC: 000359161800003 ; SCOPUS ; DOI: 10.1515/fca-2015-0052.
- ADC05 BACIGÁL, Tomáš - MESIAR, Radko - NAJJARI, Vadoud. Generators of copulas and aggregation. In *Information Sciences*. Vol. 306, (2015), s. 81-87. ISSN 0020-0255 (2015: 3.364 - IF, Q1 - JCR Best Q, 1.960 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351803800006 ; CC ; SCOPUS ; DOI: 10.1016/j.ins.2015.01.032.
- ADC06 BACIGÁL, Tomáš - NAJJARI, Vadoud - MESIAR, Radko - BAL, Hasan. Additive generators of copulas. In *Fuzzy Sets and Systems*. Vol. 264, (2015), s. 42-50. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000348842500004 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.10.001.
- ADC07 BACHRATÝ, Martin - ŠIRÁŇ, Jozef. Polarity graphs revisited. In *Ars Mathematica Contemporanea*. Vol. 8, no. 1 (2015), s. 55-67. ISSN 1855-3966 (2015: 0.985 - IF, Q1 - JCR Best Q, 1.158 - SJR, Q1 - SJR Best Q).
- ADC08 BĚHOUNEK, Libor - BODENHOFER, Ulrich - CINTULA, Petr - SAMINGER-PLATZ, Susanne - SARKOCI, Peter. Graded Dominance and Related Graded Properties of Fuzzy Connectives. In *Fuzzy Sets and Systems*. Vol. 262, (2015), s. 78-101. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: CC: 000347103900005 ; SCOPUS ; DOI: 10.1016/j.fss.2014.04.025.
- ADC09 BORKOTOKEY, Surajit - HAZARIKA, Pankaj - MESIAR, Radko. A multilinear extension of a class of fuzzy bi-cooperative games. In *Journal of Intelligent and Fuzzy Systems*. Vol. 28, no. 2 (2015), s. 681-691. ISSN 1064-1246 (2015: 1.004 - IF, Q3 - JCR Best Q, 0.388 - SJR, Q2 - SJR Best Q). V databáze: WOS: 000348366900018 ; CC ; SCOPUS ; DOI: 10.3233/IFS-141349 ; DOI: 10.3233/IFS-141349.

- ADC10 BORKOTOKEY, Surajit - HAZARIKA, Pankaj - MESIAR, Radko. Fuzzy Bi-cooperative games in multilinear extension form. In *Fuzzy Sets and Systems : special issue Linz 2013: Non-Classical Measures and Integrals*. Vol. 259, (2015), s. 44-55. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000345440400006 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.08.003.
- ADC11 BUSTINCE, Humberto - FERNANDEZ, Javier - KOLESÁROVÁ, Anna - MESIAR, Radko. Directional monotonicity of fusion functions. In *European Journal of Operational Research*. Vol. 244, iss. 1 (2015), s. 300-308. ISSN 0377-2217 (2015: 2.679 - IF, Q1 - JCR Best Q, 2.225 - SJR, Q1 - SJR Best Q). V databáze: CC: 000352667900028 ; DOI: 10.1016/j.ejor.2015.01.018.
- ADC12 CENA, Anna - GAGOLEWSKI, Marek - MESIAR, Radko. Problems and challenges of information resources producers' clustering. In *Journal of Informetrics [elektronický zdroj]*. Vol. 9, iss. 2 (2015), online, s. 273-284. ISSN 1751-1577 (2015: 2.373 - IF, Q1 - JCR Best Q, 1.665 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351640700004 ; CC ; SCOPUS ; DOI: 10.1016/j.joi.2015.02.005.
- ADC13 DE BAETS, Bernard - DE MEYER, Hans - KALICKÁ, Jana - MESIAR, Radko. On the relationship between modular functions and copulas. In *Fuzzy Sets and Systems*. Vol. 268, (2015), s. 110-126. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351019800008 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.07.024.
- ADC14 DUTTA, Bapi - GUHA, Debashree - MESIAR, Radko. A Model Based on Linguistic 2-Tuples for Dealing With Heterogeneous Relationship Among Attributes in Multi-expert Decision Making. In *IEEE Transactions on fuzzy systems*. Vol. 23, no. 5 (2015), s. 1817-1831. ISSN 1063-6706 (2015: 6.701 - IF, Q1 - JCR Best Q, 4.552 - SJR, Q1 - SJR Best Q). V databáze: CC: 000362582800033 ; SCOPUS ; DOI: 10.1109/TFUZZ.2014.2379291.
- ADC15 ERTUGRUL, Ümit - KARACAL, Funda - MESIAR, Radko. Modified Ordinal Sums of Triangular Norms and Triangular Conorms on Bounded Lattices. In *International Journal of Intelligent Systems*. Vol. 30, no. 7 (2015), s. 807-817. ISSN 0884-8173 (print) (2015: 2.050 - IF, Q2 - JCR Best Q, 1.166 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000353982300003 ; CC ; SCOPUS ; DOI: 10.1002/int.21713.
- ADC16 FROLKOVIČ, Peter - MIKULA, Karol - URBÁN, Jozef. Distance function and extension in normal direction for implicitly defined interfaces. In *Discrete and Continuous Dynamical Systems - Series S*. Vol. 8, no. 5 (2015), s. 871-880. ISSN 1937-1632 (2015: 0.737 - IF, Q3 - JCR Best Q, 0.744 - SJR, Q2 - SJR Best Q). V databáze: CC: 000357886400006 ; SCOPUS ; DOI: 10.3934/dcdss.2015.8.871.
- ADC17 FROLKOVIČ, Peter - MIKULA, Karol - URBÁN, Jozef. Semi-implicit finite volume level set method for advective motion of interfaces in normal direction. In *Applied Numerical Mathematics*. Vol. 95, (2015), s. 214-228. ISSN 0168-9274 (2015: 1.414 - IF, Q1 - JCR Best Q, 1.179 - SJR, Q1 - SJR Best Q). V databáze: CC: 000356733600015 ; SCOPUS ; DOI: 10.1016/j.apnum.2014.05.011.
- ADC18 GARCIA-JIMENEZ, Santiago - BUSTINCE, Humberto - HÜLLERMEIER, Eyke - MESIAR, Radko - PAL, Nikhil Ranjan - PRADERA, Ana. Overlap Indices: Construction of and Application to Interpolative Fuzzy Systems. In *IEEE Transactions on fuzzy systems*. Vol. 23, no. 4 (2015), s. 1259-1273. ISSN 1063-6706 (2015: 6.701 - IF, Q1 - JCR Best Q, 4.552 - SJR, Q1 - SJR Best Q). V databáze: CC: 000359262400039 ; SCOPUS ; DOI: 10.1109/TFUZZ.2014.2349535.
- ADC19 GRECO, Salvatore - MESIAR, Radko - RINDONE, Fabio. Bipolar semicopulas. In *Fuzzy Sets and Systems*. Vol. 268, (2015), s. 141-148. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351019800010 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.10.011.
- ADC20 HERMANN, Philipp - MRKVIČKA, Tomáš - MATTFELDT, Torsten - MINÁROVÁ, Mária - HELISOVÁ, Kateřina - NICOLIS, Orietta - WARTNER, Fabian - STEHLÍK, Milan. Fractal and stochastic geometry inference for breast cancer: a case study with random fractal models and Quermass-interaction process. In *Statistics in Medicine*. Vol. 34, iss. 18 (2015), s. 2636-2661. ISSN 0277-6715 (2015: 1.533 - IF, Q2 - JCR Best Q, 1.982 - SJR, Q1 - SJR Best Q). V databáze: CC: 000357428500004 ; SCOPUS ; DOI: 10.1002/sim.6497.

- ADC21 JIN, LeSheng - KALINA, Martin - QIAN, Gang. Fuzzy orness measure and new orness axioms. In *Kybernetika*. Vol. 51, no. 4 (2015), s. 712-723. ISSN 0023-5954 (2015: 0.628 - IF, Q4 - JCR Best Q, 0.321 - SJR, Q2 - SJR Best Q). V databáze: CC: 000365371200010 ; SCOPUS ; DOI: 10.14736/kyb-2015-4-0712.
- ADC22 JWAID, Tarad - DE MEYER, Hans - MESIAR, Radko - DE BAETS, Bernard. The role of generalized convexity in conic copula constructions. In *Journal of Mathematical analysis and applications*. Vol. 425, iss. 2 (2015), s. 864-885. ISSN 0022-247X (2015: 1.014 - IF, Q1 - JCR Best Q, 1.150 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000349811400017 ; CC ; SCOPUS ; DOI: 10.1016/j.jmaa.2014.12.031.
- ADC23 KARACAL, Funda - MESIAR, Radko. Uninorms on bounded lattices. In *Fuzzy Sets and Systems*. Vol. 261, (2015), s. 33-43. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000346578700003 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.05.0010165.
- ADC24 KESICIOGLU, M. Nesibe - KARACAL, Funda - MESIAR, Radko. Order-equivalent triangular norms. In *Fuzzy Sets and Systems*. Vol. 268, (2015), s. 59-71. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351019800005 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.10.006.
- ADC25 KLEMENT, Erich Peter - LI, Jun - MESIAR, Radko - PAP, Endre. Integrals based on monotone set functions. In *Fuzzy Sets and Systems*. Vol. 281, (2015), s. 88-102. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: CC: 000363458900008 ; SCOPUS ; DOI: 10.1016/j.fss.2015.07.010.
- ADC26 KLEMENT, Erich Peter - MESIAR, Radko. On the Expected Value of Fuzzy Events. In *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*. Vol. 23, suppl. 1 (2015), s. 57-74. ISSN 0218-4885 (2015: 1.000 - IF, Q3 - JCR Best Q, 0.619 - SJR, Q2 - SJR Best Q).
- ADC27 KNOR, Martin - ŠKREKOVSKI, Riste - TEPEH, Aleksandra. An inequality between the edge-Wiener index and the Wiener index of a graph. In *Applied Mathematics and Computation*. Vol. 269, (2015), s. 714-721. ISSN 0096-3003 (2015: 1.345 - IF, Q1 - JCR Best Q, 0.950 - SJR, Q2 - SJR Best Q). V databáze: CC: 000361771500062 ; SCOPUS ; DOI: 10.1016/j.amc.2015.07.050.
- ADC28 KNOR, Martin - LUŽAR, Borut - ŠKREKOVSKI, Riste. Sandwiching the (generalized) Randić index. In *Discrete Applied Mathematics*. Vol. 181, (2015), s. 160-166. ISSN 0166-218X (2015: 0.722 - IF, Q3 - JCR Best Q, 0.804 - SJR, Q2 - SJR Best Q). V databáze: CC: 000347364700016 ; SCOPUS ; DOI: 10.1016/j.dam.2014.08.032.
- ADC29 KOLESÁROVÁ, Anna - MESIAR, Radko - MONTERO, Javier. Sequential aggregation of bags. In *Information Sciences*. Vol. 294, (2015), s. 305-314. ISSN 0020-0255 (2015: 3.364 - IF, Q1 - JCR Best Q, 1.960 - SJR, Q1 - SJR Best Q). V databáze: CC: 000346542800022 ; DOI: 10.1016/j.ins.2014.09.046.
- ADC30 KOLESÁROVÁ, Anna - MESIAR, Radko. 1-Lipschitz power stable aggregation functions. In *Information Sciences*. Vol. 294, (2015), s. 57-63. ISSN 0020-0255 (2015: 3.364 - IF, Q1 - JCR Best Q, 1.960 - SJR, Q1 - SJR Best Q). V databáze: CC: 000346542800005 ; DOI: 10.1016/j.ins.2014.09.034.
- ADC31 KOLESÁROVÁ, Anna - MESIAR, Radko. On linear and quadratic constructions of aggregation functions. In *Fuzzy Sets and Systems*. Vol. 268, (2015), s. 1-14. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: CC: 000351019800001 ; DOI: 10.1016/j.fss.2014.04.015.
- ADC32 KOLESÁROVÁ, Anna - MAYOR, Gaspar - MESIAR, Radko. Quadratic constructions of copulas. In *Information Sciences*. Vol. 310, (2015), s. 69-76. ISSN 0020-0255 (2015: 3.364 - IF, Q1 - JCR Best Q, 1.960 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000354341100005 ; CC ; SCOPUS ; DOI: 10.1016/j.ins.2015.03.016.

- ADC33 KÚTIK, Pavol - MIKULA, Karol. Diamond-cell finite volume scheme for the Heston model. In *Discrete and Continuous Dynamical Systems - Series S*. Vol. 8, no. 5 (2015), s. 913-931. ISSN 1937-1632 (2015: 0.737 - IF, Q3 - JCR Best Q, 0.744 - SJR, Q2 - SJR Best Q). V databáze: CC: 000357886400010 ; SCOPUS ; DOI: 10.3934/dcdss.2015.8.913.
- ADC34 LI, Jun - MESIAR, Radko - PAP, Endre - KLEMENT, Erich Peter. Convergence theorems for monotone measures. In *Fuzzy Sets and Systems*. Vol. 281, (2015), s. 103-127. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: CC: 000363458900009 ; SCOPUS ; DOI: 10.1016/j.fss.2015.05.017.
- ADC35 MESIAR, Radko - LI, Jun - PAP, Endre. Superdecomposition integrals. In *Fuzzy Sets and Systems : special issue Linz 2013: Non-Classical Measures and Integrals*. Vol. 259, (2015), s. 3-11. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000345440400002 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.05.003.
- ADC36 MESIAR, Radko - STUPŇANOVÁ, Andrea. Open problems from the 12th International Conference on Fuzzy Set Theory and Its Applications. In *Fuzzy Sets and Systems*. Vol. 261, (2015), s. 112-123. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000346578700007 ; CC ; SCOPUS ; DOI: 10.1060/j.fss.2014.07.012.
- ADC37 MESIAR, Radko - KOMORNÍKOVÁ, Magda - KOMORNÍK, Jozef. Perturbation of bivariate copulas. In *Fuzzy Sets and Systems*. Vol. 268, (2015), s. 127-140. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000351019800009 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.04.016.
- ADC38 MESIAR, Radko - SMREK, Peter. Choquet-like integrals with respect to level-dependent capacities and phi-ordinal sums of aggregation function. In *Kybernetika*. Vol. 51, no. 3 (2015), s. 420-432. ISSN 0023-5954 (2015: 0.628 - IF, Q4 - JCR Best Q, 0.321 - SJR, Q2 - SJR Best Q). V databáze: CC: 000361266300004 ; DOI: 10.14736/kyb-2015-3-0420.
- ADC39 MESIAR, Radko - STUPŇANOVÁ, Andrea - YAGER, Ronald R. Generalizations of OWA Operators. In *IEEE Transactions on fuzzy systems*. Vol. 23, no. 6 (2015), s. 2154-2162. ISSN 1063-6706 (2015: 6.701 - IF, Q1 - JCR Best Q, 4.552 - SJR, Q1 - SJR Best Q). V databáze: CC: 000365989300020 ; DOI: 10.1109/TFUZZ.2015.2406888.
- ADC40 MIKULA, Karol - PEYRIÉRAS, Nadine - ŠPIR, Róbert. Numerical algorithm for tracking cell dynamics in 4D biomedical images. In *Discrete and Continuous Dynamical Systems - Series S*. Vol. 8, no. 5 (2015), s. 953-967. ISSN 1937-1632 (2015: 0.737 - IF, Q3 - JCR Best Q, 0.744 - SJR, Q2 - SJR Best Q). V databáze: CC: 000357886400012 ; SCOPUS ; DOI: 10.3934/dcdss.2015.8.953.
- ADC41 MIKULA, Karol - REMEŠÍKOVÁ, Mariana - NOVYSEDLÁK, Peter. Truss structure design using a length-oriented surface remeshing technique. In *Discrete and Continuous Dynamical Systems - Series S*. Vol. 8, no. 5 (2015), s. 933-951. ISSN 1937-1632 (2015: 0.737 - IF, Q3 - JCR Best Q, 0.744 - SJR, Q2 - SJR Best Q). V databáze: CC: 000357886400011 ; SCOPUS ; DOI: 10.3934/dcdss.2015.8.933.
- ADC42 MIKULA, Karol - ŠPIR, Róbert - SMÍŠEK, Michal - FAURE, Emmanuel - PEYRIÉRAS, Nadine. Nonlinear PDE based numerical methods for cell tracking in zebrafish embryogenesis. In *Applied Numerical Mathematics*. Vol. 95, (2015), s. 250-266. ISSN 0168-9274 (2015: 1.414 - IF, Q1 - JCR Best Q, 1.179 - SJR, Q1 - SJR Best Q). V databáze: CC: 000356733600018 ; SCOPUS ; DOI: 10.1016/j.apnum.2014.09.002.
- ADC43 MINARECHOVÁ, Zuzana - MACÁK, Marek - ČUNDERLÍK, Róbert - MIKULA, Karol. High-resolution global gravity field modelling by the finite volume method. In *Studia geophysica et geodaetica*. Vol. 59, no. 1 (2015), s. 1-20. ISSN 0039-3169 (2015: 0.818 - IF, Q3 - JCR Best Q, 0.518 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000349607000001 ; CC ; SCOPUS ; DOI: 10.1007/s11200-013-0634-z.
- ADC44 NÁNÁSIOVÁ, Oľga - KALINA, Martin. Calculus for Non-Compatible Observables, Construction Through Conditional States. In *International Journal of Theoretical Physics*. Vol. 54, No. 2 (2015), s.

506-518. ISSN 0020-7748 (2015: 1.041 - IF, Q3 - JCR Best Q, 0.359 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000349014200015 ; CC ; SCOPUS ; DOI: 10.1007/s10773-014-2243-1.

- ADC45 OUYANG, Yao - LIU, Jun - MESIAR, Radko. Relationship between the concave integrals and the pan-integrals on finite spaces. In *Journal of Mathematical analysis and applications*. Vol. 424, iss. 2 (2015), s. 975-987. ISSN 0022-247X (2015: 1.014 - IF, Q1 - JCR Best Q, 1.150 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000348259500009 ; CC ; SCOPUS ; DOI: 10.1016/j.jmaa.2014.11.058.
- ADC46 PATERNAIN, Daniel - FERNANDEZ, Javier - BUSTINCE, Humberto - MESIAR, Radko - BELIAKOV, Gleb. Construction of image reduction operators using averaging aggregation functions. In *Fuzzy Sets and Systems*. Vol. 261, (2015), s. 87-111. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000346578700006 ; CC ; SCOPUS ; DOI: 10.1016/j.fss.2014.03.00.
- ADC47 PYKACZ, Jaroslaw - VALÁŠKOVÁ, Lubica - NÁNÁSIOVÁ, Oľga. Bell-Type Inequalities for Bivariate Maps on Orthomodular Lattices. In *Foundations of Physics*. Vol. 45, no. 8 (2015), s. 900-913. ISSN 0015-9018 (2015: 1.018 - IF, Q3 - JCR Best Q, 0.601 - SJR, Q2 - SJR Best Q). V databáze: CC: 000361128800004 ; SCOPUS ; DOI: 10.1007/s10701-015-9906-5.
- ADC48 STUPŇANOVÁ, Andrea. A probabilistic approach to the arithmetics of fuzzy numbers. In *Fuzzy Sets and Systems*. Vol. 264, (2015), s. 64-75. ISSN 0165-0114 (2015: 2.098 - IF, Q1 - JCR Best Q, 1.354 - SJR, Q1 - SJR Best Q). V databáze: CC: 000348842500006 ; SCOPUS ; DOI: 10.1016/j.fss.2014.08.013.
- ADC49 YAGER, Ronald R - MESIAR, Radko. On the Transformation of Fuzzy Measures to the Power Set and Its Role in Determining the Measure of a Measure. In *IEEE Transactions on fuzzy systems*. Vol. 23, no. 4 (2015), s. 842-849. ISSN 1063-6706 (2015: 6.701 - IF, Q1 - JCR Best Q, 4.552 - SJR, Q1 - SJR Best Q). V databáze: CC: 000359262400009 ; SCOPUS ; DOI: 10.1109/TFUZZ.2014.2328019.

#### **ADE Vedecké práce v ostatných zahraničných časopisoch**

- ADE01 DE MIGUEL, Laura - BUSTINCE, Humberto - FERNANDEZ, J. - KOLESÁROVÁ, Anna - MESIAR, Radko - DE BAETS, Bernard. Construction of admissible orders for intervals. In *Mathware & Soft Computing magazine*. Vol. 22, no. 1 (2015), s. 28-29. ISSN 1134-5632.
- ADE02 JURIGOVÁ, Martina - MINÁROVÁ, Mária - CHMÚRNY, Ivan. Thermal performance of energy storage vessel. In *Roczniki inżynierii budowlanej*. Zesz. 15, (2015), s. 11-16. ISSN 1505-8425.
- ADE03 KRIVÁ, Zuzana - PAPČO, Juraj - VANKO, Jakub. Quad-tree Based Finite Volume Method for Diffusion Equations with Application to SAR Imaged Filtering. In *Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium, Mathematica*. Vol. 54, no. 2 (2015), s. 41-61. ISSN 0231-9721.
- ADE04 MACÁK, Marek - ČUNDERLÍK, Róbert - MIKULA, Karol - MINARECHOVÁ, Zuzana. An upwind-based scheme for solving the oblique derivative boundary-value problem related to physical geodesy. In *Journal of geodetic science [elektronický zdroj]*. Vol. 5, no. 1 (2015), online, s. 180-188. ISSN 2081-9943.

#### **ADF Vedecké práce v ostatných domácich časopisoch**

- ADF01 MÉSZÁROSOVÁ, Katarína - MINARECHOVÁ, Zuzana. Possibilities of using demographic data in spatial planning. In *Terra Spectra STU. Planning Studies*. Vol. 7, no. 1 (2015), s. 23-25. ISSN 1338-0370.
- ADF02 MINÁROVÁ, Mária. Radiácia vo vákuovej izolačnej vrstve. In *Projekt - stavba*. Roč. 10, č. 1 (2015), s. 17-19. ISSN 1336-6327.

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

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### Štatistika: kategória publikačnej činnosti

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