VEDECKO-PEDAGOGICKÝ ŽIVOTOPIS

Osobné údaje

Meno a priezvisko: **prof. RNDr. János Tóth, PhD.**

Rok narodenia: 1962

Dosiahnuté tituly, vzdelanie

- Mgr.   1986 Univerzita Komenského v Bratislave, Matematicko-fyzikálna fakulta, odbor Matematická analýza
- PhD.   1998 Univerzita Komenského v Bratislave, Matematicko-fyzikálna fakulta, odbor Algebra a teória čísel
- doc.   1998 Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, odbor Teória vyučovania matematiky
- RNDr.   1999 Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, odbor Matematika
- prof.   2018 Univerzita Komenského v Bratislave, Fakulta matematiky, fyziky a informatiky, odbor Matematika

Pedagogická činnosť

Zamestnania, pracovné pozície

- 1986 - 1989 – Gymnázium, Nové Zámky, učiteľ matematiky
- 1989 - 1998 – Univerzita Konštantína Filozofa v Nitre, Pedagogická fakulta, Katedra matematiky, Nitra, odborný asistent
- 1998 - 2001 – Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, Katedra matematiky, Nitra, docent
- 2001 - 2009 – Ostravská Univerzita, Prírodovedecká fakulta, Katedra matematiky, Ostrava, docent
- 2004 - 2009 – Univerzita J. Selyeho, Komárno, Pedagogická fakulta, Katedra matematiky, vš. učiteľ, vedúci katedry, mim. prof.
- 2009 - 2017 – Univerzita J. Selyeho, Komárno, rektor, mim. prof.
- 2017 - 2018 – Univerzita J. Selyeho, Komárno, prvý prorektor, prorektor pre rozvoj, mim. prof.
- 2018 - 2021 – Univerzita J. Selyeho, Komárno, prvý prorektor, prorektor pre rozvoj, riadny prof.
- 2021 - 2025 – Univerzita J. Selyeho, Komárno, prorektor pre rozvoj, riadny prof.
- 2025 -   – Univerzita J. Selyeho, Komárno, rektor, univerzitný profesor

Prehľad študijných programov, ktorých je garantom na UJS:

- ZOŠP – Zodpovedná osoba za študijný program Učiteľstvo matematiky – 1. a 2. stupeň vysokoškolského štúdia (Bc. a Mgr.)

- ZOŠP – Zodpovedná osoba za študijný program Teória vyučovania matematiky a informatiky – 3. stupeň vysokoškolského štúdia (PhD.)

Školiteľom doktorandského štúdia v študijnom odbore:

Teória vyučovania matematiky – Univerzita Konštantína Filozofa, Nitra,
Aplikovaná algebra – Ostravská Univerzita, Ostrava,
Teória vyučovania matematiky a informatiky – Univerzita J. Selyeho, Komárno.

Dĺžka pedagogickej praxe (v rokoch): 39

Vedenie záverečných prác (počet prebiehajúcich/ počet ukončených):

Bakalárske: 0/10   Diplomové: 0/56   Rigorózne: 0/13   Dizertačné: 0/5

Absolventi doktorandského štúdia:

1) RNDr. Attila Komzsík, PhD., téma práce; "Didaktika zavedenia a vyučovania postupností definovaných pomocou známych priemerov a iných postupností v matematickej príprave učiteľov", odbor Teória vyučovania matematiky, Univerzita Konštantína Filozofa, Nitra, Fakulta prírodných vied; rok obhajoby: 2005.

2) doc. RNDr. Ferdinánd Filip, PhD., téma práce; "Blokové postupnosti a (R)-hustota", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta; rok obhajoby: 2006.

3) RNDr. Pavel Jahoda, PhD., téma práce; "Vyjádřiteľnost přirozených čísel v některých speciálních tvarech a množiny nulových asymptotických hustot", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta; rok obhajoby: 2006.

4) Mgr. Monika Jahodová, rod. Pěluchová, PhD., téma práce; "Asymptotická hustota průniku množin", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta, rok obhajoby: 2011.

5) Mgr. Szilárd Svitek, PhD., téma práce; "Zavedenie a vyučovanie niektorých pojmov z teórie čísel v študijnom programe učiteľstvo matematiky", odbor Matematika, Univerzita J. Selyeho, Komárno, Fakulta Ekonómie a informatiky, rok obhajoby: 2024.

Veľmi rád sa venuje mladým talentovaným matematikom. V rámci vedeckej aktivity študentov pod jeho vedením na Univerzite Konštantína Filozofa v Nitre získali 3 jeho študenti ocenenie. Pôsobil ako vedúci rigoróznych prác 13 študentov. Viacerí bývalí študenti v súčasnosti pôsobia ako docenti a vedúci fakulty alebo katedier.

Prehľad pedagogickej činnosti:

Na Katedre matematiky Univerzity Konštantína Filozofa (1989-2001), na Katedre matematiky Prírodovedeckej fakulty Ostravskej Univerzity (2001-2009) a na Katedre matematiky Univerzity J. Selyeho (2004-2025) odučil v rámci prednášok a seminárnych hodín doteraz mnoho hodín.

Doteraz prednášané predmety:

Matematická analýza 1. - 4., Lineárna algebra, Teória miery, Topológia, Komplexná analýza, Teória množín, Teoretická aritmetika, Teória čísel, Kryptografia a teória čísel, Funkcie a postupnosti, Diskrétna matematika, Didaktika matematiky, Metrické priestory, Diferenciálne rovnice, Školská matematika vo svetle vyššej matematiky, Úvod do teórie čísel, Vybrané kapitoly z teórie čísel, Vedecký seminár pre doktorandov.

Prehľad vedeckovýskumnej a publikačnej činnosti:

I. Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy

ADC - Vedecké práce v zahraničných karentovaných časopisoch (20)

II. Ostatné recenzované publikácie

Počet záznamov: 91 v nasledujúcich kategóriách
ADE - Vedecké práce v ostatných zahraničných časopisoch (23)
ADF - Vedecké práce v ostatných domácich časopisoch (6)
ADM - Vedecké práce v zahraničných časopisoch registrovaných od roku 2013 v databázach Web of Science alebo SCOPUS (13)
V3 - Vedecký výstup publikačnej činnosti z časopisu od 2021
V databázach Web of Science a SCOPUS je evidovaných celkom 60 publikácií.
Databáza Orcid: https://orcid.org/0000-0003-4768-4334 (79 publikácií)
Databáza Researchgate: https://www.researchgate.net/profile/Janos-Toth-7 (98 publikácií)
Databázy American Mathematical Reviews a Zentralblatt für Mathematik evidujú 66 publikácií.
AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (5)
AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (13)
AFC - Publikované príspevky na zahraničných vedeckých konferenciách (13)
AFD - Publikované príspevky na domácich vedeckých konferenciách (9)
AFH - Abstrakty príspevkov z domácich vedeckých konferencií (5)
BDE - Odborné práce v ostatných zahraničných časopisoch (1)
BDF - Odborné práce v ostatných domácich časopisoch (1)
BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

III. Knižné publikácie charakteru vedeckej monografie

Počet záznamov: 1 v nasledujúcej kategórii
ABB - Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách (1)

IV. Ostatné knižné publikácie

Počet záznamov: 9 v nasledujúcich kategóriách

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (3)
BCI - Skriptá a učebné texty (2)
FAI - Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy...) (4)

V. Ostatné - mimo kategórií

Počet záznamov: 3 v nasledujúcich kategóriách

DAI - Dizertačné a habilitačné práce (2)
EDJ - Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch (1)

Spolu 124 publikácií, z toho počet vedeckých prác v časopisoch a vo vedeckých zborníkoch je 111.
Počet publikácií vo WoS je 53, vo WoS s IF je 29, z toho Q1 – 8, Q2 – 5, Q3 – 7, Q4 – 9.
Okrem toho počet ďalších vedeckých prác v SCOPUS je 7.
Hirsch index: 9.

Štatistika ohlasov:

[1] Citácie v zahraničných publikáciách, registrované v citačných indexoch – 184
[2] Citácie v domácich publikáciách, registrované v citačných indexoch – 19
[3] Citácie v zahraničných publikáciách, neregistrované v citačných indexoch – 38
[4] Citácie v domácich publikáciách, neregistrované v citačných indexoch – 34

Spolu: 275

Najvýznamnejšie publikované vedecké práce za posledných 5 rokov:

1) Bukor, J. – Filip, F. – Tóth, J. T.: Sets with countably infinitely many prescribed weighted densities, Rocky Mountain Journal of Mathematics, vol. 50 (2), (2020), p. 467-477, DOI: 10.1216/rmj.2020.50.467, WoS, IF: 0,568 (2020), Q WoS=Q4.
2) Bukor, J. – Tóth, J. T.: On topological properties of the set of maldistributed sequences, Acta Universitatis Sapientiae, Mathematica, vol. 12 (2), (2020), p. 272-279, DOI: 10.2478/ausm-2020-0018, WoS, SCOPUS, SNIP: 0,627 (2020), Q SCOPUS=Q3.
3) Baláž, V. – Liptai, K. – Tóth, J. T. – Visnyai, T.: Convergence of positive series and ideal convergence, Annales Mathematicae et Informaticae, vol. 52, (2020), p. 19-30, DOI: 10.33039/ami.2020.05.005, WoS, SCOPUS, SNIP: 0,467 (2020), Q SCOPUS=Q4.
4) Tóth, J. T. – Filip, F.– Bukor, J. – Zsilinszky, L.: On I (< q) – and I (≤ q) – convergence of arithmetic functions, Periodica Mathematica Hungarica, vol. 82 (2), (2021), p. 125-135, DOI: 10.1007/s10998-020-00345-y, WoS, IF: 0,672 (2021), Q WoS=Q3.
5) Mišík, L. – Tóth, J. T.: Ideal extensions of Olivier´s theorem, Real Analysis Exchange, vol. 46 (1), (2021), p. 261-268, DOI: 10.14321/realanalexch.46.1.0261, WoS, SCOPUS, SNIP: 0,44 (2021), Q SCOPUS=Q4.

6) Tóth, J. T. – Bukor, J. – Filip, F. – Mišík, L.: On Ideals Defined by Asymptotic Distribution Functions of Ratio Block Sequences, Filomat, vol. 35 (12), (2021), p. 3945-3955, DOI: 10.2298/FIL2112945T, WoS, IF: 0,988 (2021), Q WoS= Q2.

7) Bukor, J. – Filip, F. – Šustek, J. – Tóth, J. T.: Comparing weighted densities, Journal of Inequalities and Applications, art. no. 146, (2022), p. 1-20, DOI: 10.1186/s13660-022-02885-y, WoS, IF: 1,6 (2022), Q WoS=Q1.

8) Miska, P. – Tóth, J. T.: Characteristics of Distributions of Sets and Their (R)- and (N)-Denseness, Results in Mathematics, vol. 78, art. no. 54, (2023), p. 1-33, DOI:10.1007/s00025-022-01830-1, WoS, IF: 1,1 (2023), Q WoS=Q1.

9) Bukor, J. – Liptai, K. – Tóth, J. T. : Typical Sequence of Real Numbers From the Unit Interval Has All Distribution Functions, International Journal of Analysis and Applications, vol. 22, art. no. 72, (2024), DOI: 10.28924/2291-8639-22-2024-72, WoS, JIF: 0,7 (2023), Q WoS JIF=Q2, AIS: 0,169 (2023), Q WoS AIS=Q4.

10) Bukor, J. – Filip, F. – Tóth, J.: On positive sequences of reals whose block sequence has an asymptotic distribution function, Notes on Number Theory and Discrete Mathematics, vol. 30 (3), (2024), WoS, JIF: 0,4 (2023), Q WoS JIF =Q4, AIS: 0,104 (2023), Q WoS AIS=Q4.

11) Mišík, L. – Tóth, J. T.: Maldistributed sequences in metric spaces, Journal of Mathematical Analysis and Application, vol. 541 (2), art. no. 128667, (2025). WoS, JIF: 1,2 (2023), Q WoS JIF =Q1, AIS: 0,638 (2023), Q WoS AIS=Q2.

12) Tóth, J. T. – Filip, F. – Svitek, Sz. – Václavíková Z.: Characterization of Monotone Sequences of Positive Numbers Prescribed by Means, Mathematics, vol. 13 (5), art. no. 696, (2025), WoS, JIF: 2,3 (2023), Q WoS JIF = Q1, AIS: 0,374 (2023), Q WoS AIS = Q3.

Účasť na riešení (vedenie) najvýznamnejších vedeckých projektov:

- vedúci riešiteľ grantu GA ČR 201/01/0471 za Ostravskú Univerzitu v rokoch 2001 – 2003,
- člen grantového tímu GA AV A1187101 za Ostravskú Univerzitu v rokoch 2001 – 2003,
- člen grantového tímu GA ČR 201/04/0381 za Ostravskú Univerzitu v rokoch 2004 – 2006,
- člen grantového tímu GA ČR 201/07/0199 za Ostravskú Univerzitu v rokoch 2007 – 2009,
- člen grantového tímu 2003-009-1 za Ostravskú Univerzitu v programe Barrande (dvojstranná Francúzsko-Česká vedecká spolupráca) v rokoch 2003 – 2004,
- člen výskumného zámeru VZ MSM 6198898701 na roky 2005 – 2010 v Českej republike,
- vedúci riešiteľ grantu KEGA 3/3080/05 za Univerzitu J. Selyeho v rokoch 2005 – 2007,
- vedúci riešiteľ grantu VEGA 1/4006/07 za Univerzitu J. Selyeho v rokoch 2007 – 2009,
- člen riešiteľského tímu KEGA 3/5277/07 za Univerzitu J. Selyeho v rokoch 2007 – 2009,
- vedúci riešiteľ grantu VEGA 1/0753/10 za Univerzitu J. Selyeho v rokoch 2010 – 2011,

- zodpovedný riešiteľ projektu APVV SK-HU-0009-08 za Univerzitu J. Selyeho v rokoch 2009 – 2010,
- člen riešiteľského tímu VEGA 1/0534/11 za Univerzitu J. Selyeho v rokoch 2011 – 2013,
- vedúci riešiteľ grantu VEGA 1/1022/12 za Univerzitu J. Selyeho v rokoch 2012 – 2014,
- zodpovedný riešiteľ projektu APVV SK-CZ-0075-11 za Univerzitu J. Selyeho v rokoch 2012 – 2013,
- člen riešiteľského tímu KEGA 017KU-4/2014 za Univerzitu J. Selyeho v rokoch 2014 – 2016,
- člen riešiteľského tímu KEGA 002UJS-4/2014 za Univerzitu J. Selyeho v rokoch 2014 – 2016,
- člen tímu výskumníkov pre Vedecko výskumný projekt ITMS2014+: 313011T504 v rokoch 2016-2019,
- člen riešiteľského tímu VEGA 1/0776/21 za Univerzitu J. Selyeho v rokoch 2021 – 2023,
- člen riešiteľského tímu VEGA 1/0386/21 za Univerzitu J. Selyeho v rokoch 2021 – 2023.

Najvýznamnejšie uznania vedeckých výsledkov (pozvania, …)

Účasť na domácich a zahraničných prednáškových pobytoch:
- 14th Czech and Slovak International Conference on Number Theory - **Liptovský Ján** (1999),
- 40. výročie založenia Univerzity Konštantína Filozofa: medzinárodná vedecká konferencia - **Nitra** (2000),
- 22émes Journées Arithmétiques – Université de Lille, **Lille** (2001),
- Journées TSF : Combinatoire, Arithmétique et Informatique Théorique – Université Jean Monnet**, Saint-Étienne** (2002),
- University of Graz – Karl-Franzens-Universität **Graz** (2002),
- Francúzsko-Česká konferencia – **Saint-Étienne** (2002),
- Česko-Polská konferencia z teórie čísel – **Czieszyn** (2002),
- Seminár z teórie čísel – Technische Universität, **Graz** (2002),
- 23émes Journées Arithmétiques – **Graz** (2003),
- Workshop on density concept – Univerzita Komenského, **Bratislava** (2004),
- Vedecký seminár – Technische Universität, **Graz** (2004),
- Konferencia-Dni Maďarskej vedy – Eszterházy Károly Egyetem, **Eger** (2004),
- The 6th Polish, Slovak and Czech Conference on Number Theory – **Bedlewo** (2006),
- Vedecký seminár – Technische Universität, **Graz** (2006),
- Seminar on fuzzy relations – **Bratislava** (2006),
- Vedecký seminár – **Katowice** (2006),
- International Conference on Fuzzy Set Theory And Applications– **Liptovský Ján** (2006),
- International Conference on the Logic of Soft Computing – **Malaga** (2006),
- Rencontres Arithmetique et Combinatoire – **Saint-Étienne** (2006),
- Odborný seminár – **Eger** (2006),
- 18th Czech and Slovak Number theory conference – **Smolenice** (2007),

- Vedecký seminár – Technische Universität, **Graz** (2007),
- Vedecký seminár – Univerzita Mateja Bela, **Banská Bystrica** (2007),
- Rencontres Stéphanoises en Théorie Analytiques des Nombres – **Saint-Étienne** (2007),
- 28th Linz Seminar on Fuzzy Sets – Johannes Kepler Universität, **Linz** (2007),
- Česko-Slovenská konferencia – **Smolenice** (2007),
- Workshop on Densities – **Malenovice** (2007),
- 7th Polish, Slovak and Czech Conference on Number Theory – **Ostravice** (2008),
- International Colloquium on Uniform Distribution – CIRM Luminy, **Marseilles** (2008),
- 70 years of Faculty of Civil Engineering – Slovenská technická univerzita, **Bratislava** (2008),
- International Conference on Fuzzy Set Theory And Applications – **Liptovský Ján** (2008),
- Vedecký seminár – **Sopron** (2008),
- 19th Czech and Slovak International Conference on Number Theory – **Hradec nad Moravicí** (2009),
- 26émes Journées Arithmétiques – **Saint-Étienne** (2009),
- Vedecký seminár – **Debrecen** (2009),
- International Conference on Fuzzy Set Theory And Applications – **Liptovský Ján** (2010),
- Conference on Mathematics and Computer Science – **Komárno** (2010),
- 2nd Conference in Uniform Distribution Theory – **Strobl** (2010),
- Monte Carlo and Quasi Monte Carlo Conference – **Warszawa** (2010),
- 20th Czech and Slovak International Conference on Number Theory – **Stará Lesná** (2011),
- 3rd Uniform Distribution Theory – **Smolenice** (2012),
- 9th Joint Conference on Mathematics and computer Science – **Siófok** (2012),
- 21st Czech and Slovak International Conference on Number Theory – **Ostravice** (2013),
- 4th International Conference on Uniform Distribution Theory – **Ostravice** (2014),
- 22th Czech and Slovak International Conference on Number Theory – **Liptovský Ján** (2015),
- 5th International Conference on Uniform Distribution Theory – **Sopron** (2016),
- 23rd Czech and Slovak International Conference on Number Theory – **Ostravice** (2017),
- Vedecký seminár z teórie čísel – **Malenovice** (2017),
- 19. Konferencia košických matematikov – **Herľany** (2018),
- 24. Stredoeurópska konferencia z teórie čísiel (Central European Number Theory Conference) – **Komárno** (2019),
- CINTI-MACRo 2019 IEEE Joint 19th International Symposium on Computational Intelligence and Informatics – **Szeged** (2019).

Od roku 2001 pravidelná aktívna vedecká spolupráca s Technische Universität Graz, s Université Jean Monnet Saint-Étienne, s Ostravskou univerzitou a s Eszterházy Károly

Egyetem. Okrem toho aktívne vedecké kontakty s Debreceni Egyetem, s Eötvös Loránd Tudományegyetem Budapest, s Universitá di Pisa a s Óbudai Egyetem. Z domácich inštitúcií pravidelná vedecká spolupráca s Matematickým ústavom SAV a s Fakultou matematiky, fyziky a informatiky Univerzity Komenského.

Účasť na viacerých dlhodobých vedeckých a pracovných pobytoch v zahraničí: z toho na Eötvös Loránd Tudományegyetem Budapest (v roku 1998, 1 mesiac), na Debreceni Egyetem (v roku 2000, 6 týždňov), na Universität Augsburg (v roku 2002, 1 mesiac), na Technische Universität Graz (v roku 2004, 1 mesiac), na Université Jean Monnet Saint-Étienne (v roku 2006, 1 mesiac) a na The University of Liverpool (v roku 2007, 1 mesiac).

Pozvaný prednášateľ na medzinárodných konferenciách a seminároch:

- V rámci týchto spoluprác a prednáškových pobytov spolu 59 prednášok.
- V rokoch 2001 (v Lille) a 2003 (v Grazi) prednášky na Journeés Arithmetique, ktorá je najväčšou konferenciou na svete z teórie čísel.
- Okrem toho v období 2000 - 2011 ďalších 12 prednášok na konferenciách z teórie čísel, reálnych funkcií, didaktiky matematiky a fuzzy matematiky.

Člen redakčnej rady vedeckých časopisov:

- Uniform Distribution Theory – vydané spolu s BOKU Vienna a SAV Bratislava (od roku 2008),
- Acta Universitatis Sapientiae, Mathematica – Cluj-Napoca, Romania (od roku 2007),
- Acta Oeconomica Universitatis Selye – FEI UJS, Komárno (od roku 2012),
- Eruditio-Educatio – PF UJS, Komárno (od roku 2006 do 2016).

Člen vedeckých rád:

- Prešovská univerzita v Prešove, Prešov (VR PU),
- Eszterházy Károly Catholic University, Eger, HU (VR EKCU),
- Univerzita J. Selyeho, Komárno (VR UJS),
- Univerzita J. Selyeho, Fakulta ekonómie a informatiky, Komárno (VR FEI UJS).

Člen predsedníctva Rady vysokých škôl Slovenskej Republiky (RVŠ SR).

V roku 2010 bol jedným z hlavných organizátorov medzinárodnej konferencie 8th Joint Conference on Mathematics and Computer Science. V roku 2009, 2011, 2013, 2015 a 2017 spoluorganizátor konferencie Czech and Slovak International Conference on Number Theory. V roku 2012 spoluorganizátor letnej školy Matematickej Spoločnosti Jánosa Bolyaiho, ktorá sa konala v Komárne v blízkosti Univerzity J. Selyeho. V roku 2019 bol spoluorganizátor 24. Stredoeurópskej konferencie z teórie čísiel, ktorá sa konala na Univerzite J. Selyeho.

Recenzent pre 14 medzinárodných matematických časopisov, vrátane „domácich" Acta Mathematica Universitatis Comenianae, Mathematica Slovaca, Czechoslovak Mathematical Journal, Tatra Mountains Mathematical Publications, Acta Mathematica Universitatis Ostraviensis, a „zahraničných" Real Analysis Exchange, Publicationes Mathematicae

Debrecen, Uniform Distribution Theory, Periodica Mathematica Hungarica, Annales Mathematicae et Informaticae, Acta Universitatis Sapientiae, Acta Arithmetica, The American Mathematical Monthly, Revista de la Real Academia de Ciencias Exactas,Físicas y Naturales Serie A. Metamáticas (RACSAM).

Ocenenia, vyznamenania, vedecké ceny:

- Za rôznorodé výskumné a vzdelávacie činnosti, za uznanie pre dlhodobú spoluprácu s univerzitou Óbudai Egyetem v oblasti vzdelávania a vedeckovýskumnej činnosti, a za uznanie vynikajúcich odborných aktivít vynaložených v záujme univerzity, v roku 2012, udelené ocenenie „Honorary Professor"od univerzity Óbudai Egyetem.
- V roku 2013 získané vedecké vyznamenanie, medaila Jánosa Aranya od Maďarskej akadémie vied, za nepretržité úsilie vzdelávania novej generácie vedcov maďarskej národnosti žijúcej na Slovensku, pre rozvoj kvality a ponuky Univerzity J. Selyeho, pre integráciu maďarského vysokoškolského vzdelávania na Slovensku, ako aj za odbornú aktivitu pre stále viac efektívnejšiu spoluprácu medzi vedcami strednej a východnej Európy, ktorá zároveň slúži záujmom regiónu a univerzitnej vedy.
- V roku 2016 od univerzity Eszterházy Károly Egyetem prijatie ako čestného občana, a udelenie titulu čestného občana, za uznanie pre viac, ako dva desaťročia vykonávanú oddanú prácu spojenú s univerzitou Eszterházy Károly Egyetem.
- V roku 2017 udelená strieborná medaila od Prešovskej Univerzity za dlhoročnú spoluprácu vo vedeckovýskumnej a vzdelávacej činnosti a významný prínos pre rozvoj Prešovskej Univerzity.
- V roku 2017 získané vzácne ocenenie „Pro Universitate" od univerzity Óbudai Egyetem za dlhoročnú spoluprácu vo vedeckovýskumnej a vzdelávacej činnosti a prínos pre rozvoj univerzity Óbudai Egyetem.
- V roku 2019 udelený Rytiersky kríž Rádu Maďarska od prezidenta Maďarska. Vysoké štátne vyznamenanie bolo udelené za zásluhy v oblasti riadenia činnosti Univerzity J. Selyeho, za pedagogické aktivity a podporu talentovanej mládeže.

Zoznam publikácií a ohlasov:

I. Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy

ADC - Vedecké práce v zahraničných karentovaných časopisoch (20)

ADC 001 Bukor, J. – Tóth, J. T.: On accumulation points of ratio sets of positive integers, The Amer. Math. Monthly, vol. 103, (1996), p. 502-504, DOI:10.2307/2974720, WoS, IF: 0,292 (1997), Q WoS=Q3.
   Ohlasy (19):
   2025 [1] Deepa, A. - Rupam, B.: P-Adic quotient sets: Linear recurrence sequences with reducible characteristic polynomials, Canadian Mathematical Bulletin: Bulletin canadien de mathématiques. (2025), vol. 68, no. 1, p. 177-186, DOI 10.4153/S0008439524000547, WoS.

2023 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: linear recurrence sequences, Bulletin of the Australian Mathematical Society, (2023), DOI:10.1017/S0004972722001563, WoS.

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2022 [1] Deepa, A. – Rupam, B. – Piotr. M: P-adic quotient sets: diagonal forms, Archiv der Mathematik., vol. 119, no. 5, (2022), p. 461-470, DOI:10.1007/s00013-022-01785-3, WoS.

2022 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: cubic forms, Archiv der Mathematik, vol. 118, no. 2, (2022), p. 143-149, WoS.

2021 [1] Miska, P.: A note on p-adic denseness of quotients of values of quadratic forms, Indagationes Mathematicae, vol. 32, no. 3, (2021), p. 639 – 645, WoS.

2020 [1] Leonetti, P. – Sanna, C.: Direction sets: A generalisation of ratio sets, Bulletin of the A Australian Mathematical Society, vol. 101, no. 3, (2020), p. 389-395, WoS.

2020 [1] Miska, P. – Sanna, C.: P-adic denseness of members of partitions of N and their ratio sets, Bulletin of the Malaysian Mathematical Sciences Society, vol. 43, no. 2, (2020), p. 1127-1133, WoS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [1] Donnay, C. – Garcia, S. R. – Rouse, J.: P-adic quotient sets II: Quadratic forms, Journal of Number Theory, vol. 201, (2019), p. 23-29, WoS.

2019 [1] Miska, P. - Murru, N. - Sanna, C.: On the p-adic denseness of the quotient set of a polynomial image, Journal of Number Theory, vol. 197, (2019), p. 218-227, WoS.

2017 [1] Sanna, C.: The quotient set of k-generalised Fibonacci numbers is dense in Qp, Bulletin of the Australian Mathematical Society, vol. 96, no. 1, (2017), p. 24-29, WoS.

2017 [1] Garcia, S. R. – Hong, Y. X. – Luca, F. – Pinsker, E. – Sanna, C. – Schechter, E. – Starr, A.: P-adic quotient sets, Acta Arithmetica, vol. 179, no. 2, (2017), p. 163-184, WoS.

2016 [1] Garcia, S. R. - Luca, F.: Quotients of Fibonacci numbers, The American Mathematical Monthly, vol. 123, no. 10, (2016), p. 1039-1044, WoS.

2014 [1] Brown, B. - Dairyko, M. - Garcia S. R. et al.: Four Quotient Set Gems, The American Mathematical Monthly, vol. 121, no. 7, (2014), p. 590-599, WoS.

2013 [1] Garcia, S. R.: Quotients of Gaussian Primes, The American Mathematical Monthly, vol. 120, no. 9, (2013), p. 851-853, WoS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

2005 [1] Kostyrko, P. – Strauch, O.: Professor Tibor Šalát (1926-2005), Tatra Mountains Mathematical Publications: Density concepts with applications to the social sciences, vol. 31, (2005), p. 1-16, WoS.

2002 [4] Mišík, L.: Sets of positive integers with prescribed values of densities, Mathematica Slovaca, vol. 52, no. 3, (2002), p. 296.

ADC 002 Strauch, O. – Tóth, J. T.: Asymptotic density of $A \subset N$ and density of the ratio set R(A), Acta Arithmetica, vol. LXXXVII (1), (1998), p. 67-78, DOI: 10.4064/aa-87-1-67-78, WoS, IF: 0,484 (1998), Q WoS=Q2.

Ohlasy (27):

2024 [1] Kumar, R.: Kepler sets of second-order linear recurrence sequences over Q_p, nternational Journal of Number Theory, (2024), DOI:10.1142/s1793042125500058, WoS.

2023 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: linear recurrence sequences, Bulletin of the Australian Mathematical Society, (2023), DOI:10.1017/S0004972722001563,WoS.

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2022 [1] Bai, J. – Meleshko, J. – Riasat, S. – Shallit, J.: Quotients of Palindromic and Antipalindromic Numbers, Integers, vol 22, no. A96, (2022), SCOPUS.

2022 [1] Deepa, A. – Rupam, B. – Piotr. M: P-adic quotient sets: diagonal forms, Archiv der Mathematik, vol. 119, no. 5, (2022), p. 461-470, DOI:10.1007/s00013-022-01785-3 , WoS.

2022 [1] Deepa, A. – Rupam, B.: P-adic quotient sets: cubic forms, Archiv der Mathematik, vol. 118,

no. 2, (2022), p. 143-149, WoS.

2021 [1] Gerhold, S.: – A Note on Large Deviations in Insurance Risk, Applications and Applied Mathematics- An International Journal, vol.16, no. 2, (2021), WoS.

2021 [1] Miska, P.: A note on p-adic denseness of quotients of values of quadratic forms, Indagationes Mathematicae, vol.16, no. 2, (2021), p. 639 – 645, WoS.

2020 [3] Garcia, Stephan.: Lateral movement in undergraduate research: case studies in number theory, A Project-Based Guide to Undergraduate Research in Mathematics, (2020), p. 203-234.

2020 [1] Leonetti, P. – Sanna, C.: Direction sets: A generalisation of ratio sets, Bulletin of the Australian Mathematical Society, vol. 101, no. 3, (2020), p. 389-395, WoS.

2020 [1] Miska, P. – Sanna, C.: P-adic denseness of members of partitions of N and their ratio sets, Bulletin of the Malaysian Mathematical Sciences Society, vol. 43, no. 2, (2020), p. 1127-1133, WoS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [1] Donnay, C. – Garcia, S. R. – Rouse, J.: P-adic quotient sets II: Quadratic forms, Journal of Number Theory, vol. 201, (2019), p. 23-29, WoS.

2019 [1] Miska, P. - Murru, N. - Sanna, C.: On the p-adic denseness of the quotient set of a polynomial image, Journal of Number Theory, vol. 197, (2019), p. 218-227, WoS.

2017 [1] Garcia, S. R. – Hong, Y. X. – Luca, F. – Pinsker, E. – Sanna, C. – Schechter, E. – Starr, A.: P-adic quotient sets, Acta Arithmetica, , vol. 179, no. 2, (2017), p. 163-184, WoS.

2017 [1] Sanna, C.: The quotient set of k-generalised Fibonacci numbers is dense in Qp, Bulletin of the Australian Mathematical Society, vol. 96, no. 1, (2017), p. 24-29, WoS.

2016 [1] Garcia, S.R. - Luca, F.: Quotients of Fibonacci Numbers, The American Mathematical Monthly, vol. 123, no. 10, (2016), p. 1039-1044, WoS.

2014 [1] Brown, B. - Dairyko, M. - Garcia S. R. et al.: Four Quotient Set Gems, The American Mathematical Monthly, vol. 121, no. 7, (2014), p. 590-599, WoS.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra : UKF, (2009), 69.

2008 [4] Luca, F. - Pomerance, C. - Porubský, Š.: Sets with prescribed arithmetic densities, Uniform Distribution Theory, vol. 3, no. 2, (2008), p. 80.

2008 [2] Kijonka, V.: On calculation of generalized densities. Mathematica Slovaca, vol. 58, no. 2, (2008), p. 155-164, WoS.

2007 [1] Mesiar, R. - Mesiarová, A. - Zemánková, A. - Valašková, A.: Basic generated universal fuzzy measures, International Journal of Approximate Reasoning, vol. 46, no. 3, (2007), p. 447-457, WoS.

2007 [3] Kijonka, V.: On relations between f - density and (R) – density, Acta Mathematica Universitatis Ostraviensis, vol. 15, no. 1, (2007), p. 20.

2006 [1] Mesiar, R. - Mesiarová, A. - Valášková, L.: Generated universal fuzzy measures, Modeling Decisions for Artificial Intelligence: Lecture Notes in Artificial Intelligence, vol. 3885, (2006), p. 191-202, WoS.

2002 [4] Mišík, L.: Sets of positive integers with prescribed values of densities, Mathematica Slovaca, vol. 52, no. 3, (2002), p. 296.

1998 [4] Komzsík, A. – László, B.: On quotient base of sets of natural numbers, Acta Mathematica 3, Nitra: UKF, (1998), 54.

ADC 003 Strauch, O. – Tóth, J. T.: Corrigendum to Theorem 5 of the paper „Asymptotic density of A ⊂ N and density of the ratio set R(A)", Acta Arith., vol. 103 (2), (2002), p. 191–200, DOI:10.4064/aa103-2-7, WoS, IF: 0,484 (2002), Q WoS=Q2.

Ohlasy (12):

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2021 [1] Miska, P.: A note on p-adic denseness of quotients of values of quadratic forms, Indagationes

Mathematicae, vol. 32, no. 3, (2021), p. 639 – 645, WoS.

2020 [3] Garcia, Stephan.: Lateral movement in undergraduate research: case studies in number theory, A Project-Based Guide to Undergraduate Research in Mathematics, (2020), p. 203-234.

2020 [1] Leonetti, P. – Sanna, C.: Direction sets: A generalisation of ratio sets, Bulletin of the Australian Mathematical Society, vol. 101, no. 3, (2020), p. 389-395, WoS.

2020 [1] Miska, P. – Sanna, C.: P-adic denseness of members of partitions of N and their ratio sets, Bulletin of the Malaysian Mathematical Sciences Society, vol. 43, no. 2, (2020), p. 1127-1133, WoS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [1] Donnay, C. – Garcia, S. R. – Rouse, J.: P-adic quotient sets II: Quadratic forms, Journal of Number Theory, vol. 201, (2019), p. 23-29, WoS.

2017 [1] Garcia, S. R. – Hong, Y. X. – Luca, F. – Pinsker, E. – Sanna, C. – Schechter, E. – Starr, A.: P-adic quotient sets, Acta Arithmetica, vol. 179, no. 2, (2017), p. 163-184, WoS.

2016 [1] Garcia, S. R. – Luca, F.: Quotients of fibonacci numbers, The American Mathematical Monthly, vol 123 (10), (2016), p. 1039-1044, DOI:10.4169/amer.math.monthly.123.10.1039, WoS.

2014 [1] Brown, B. - Dairyko, M. - Garcia S. R. et al.: Four Quotient Set Gems, The American Mathematical Monthly, vol. 121, no. 7, (2014), p. 590-599, WoS.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2007 [3] Kijonka, V.: On relations between f - density and (R) – density, Acta Mathematica Universitatis Ostraviensis, vol. 15, no. 1, (2007), p. 20.

ADC 004 Mišík, L. – Tóth, J. T.: On asymptotic behaviour of universal fuzzy measures, Kybernetika, vol. 42 (3), (2006), p. 379 – 388, WoS, IF: 0,293 (2006), Q WoS=Q4.

Ohlasy (7):

2014 [1] Dvořák, A. - Holčapek, M.: Type fuzzy quantifiers determined by fuzzy measures defined on residuated lattices : Part II : Permutation and isomorphism invariances, Fuzzy Sets and Systems, vol. 242, (2014), p. 56-88, WoS.

2012 [1] Dvořák, A. - Holčapek, M.: A characterization of fuzzy integrals invariant with respect to permutation groups, Communications in Computer and Information Science, vol. 300, (2012), p. 208-217, SCOPUS.

2011 [1] Stupňanová, A.: Special fuzzy measures on infinite countable sets and related aggregation functions, Fuzzy Sets and Systems, vol. 167, no. 1, (2011), p. 57-64, WoS.

2009 [1] Dvořák, A - Holčapek, M.: L-fuzzy quantifiers of type determined by fuzzy measures, Fuzzy Sets and Systems, vol. 160, no. 23, (2009), p. 3425-3452, WoS.

2009 [1] Dvořák, A - Holčapek, M.: Fuzzy integrals over complete resituated lattices, Proceedings of the 2009 Joint International-Fuzzy-Systems-Association World Congress, (2009), p. 357-362, WoS.

2008 [3] Veluchamy, T. - Sivakkumar, P. S.: On fuzzy member valued Choquet integral, Scientia Magna, vol. 4, no. 4, (2008), p. 61.

2007 [1] Mesiar, R. - Mesiarová, A. - Zemánková, A. - Valášková, A.: Basic generated universal fuzzy measures, International Journal of Approximate Reasoning, vol. 46, no. 3, (2007), p. 447-457, WoS.

ADC 005 Bukor, J. – Mišík, L. – Tóth, J. T.: Dependence of densities on a parameter, Information Sciences, vol. 179 (17), (2009), p. 2903-2911, DOI:10.1016/j.ins.2009.04.014, WoS, IF: 3,291 (2009), Q WoS=Q1.

Ohlasy (5):

2020 [1] Filip, F. - Jankov, A. – Šustek, J.: On relation between asymptotic and Abel densities, Journal of Number Theory, vol. 209, (2020), p. 451-466, WoS.

2017 [2] Giuliano, R. - Grekos, G.: On the upper and lower exponential density functions, Mathematica Slovaca, vol. 67, no. 5, (2017), p. 1105-1128, WoS.

2015 [1] Lee, C. W. - Chen, P. L. - Hsieh, S. Y.: Weight-constrained and density-constrained paths in a tree: Enumerating, counting, and k-maximum density paths, Discrete Applied Mathematics, vol. 180,

(2015), p. 126-134, WoS.

2011 [1] Stupňanová, A.: Special fuzzy measures on infinite countable sets and related aggregation functions, Fuzzy Sets and Systems, vol. 167, no. 1, (2011), p. 57-64, WoS.

2011 [3] Sembiring, R. W. - Zain, J. M.: The design of pre-processing multidimensional data based on component analysis, Computer and Information Science, vol. 4, no. 3, (2011), p. 106-115.

ADC 006 Filip, F. – Mišík, L. – Tóth, J. T.: Dispersion of ratio block sequences and asymptotic density, Acta Arith., vol. 131 (2), (2008), p. 183-191, DOI:10.4064/aa131-2-5, WoS, IF: 0,467 (2008), Q WoS=Q3.

Ohlasy (4):

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers,Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra: UKF, (2009), 69.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2007 [4] Grekos, G. - Strauch, O.: Distribution functions of ratio sequences, II, Uniform Distribution Theory, vol. 2, no. 1, (2007), p. 77.

ADC 007 Hančl, J. – Mišík, L. – Tóth, J. T.: Fuzzy rational approximation of irrationals, Fuzzy Sets and Systems, vol. 160 (8), (2009), p. 1048–1053, DOI:10.1016/j.fss.2008.11.008, WoS, IF: 2,138 (2009), Q WoS=Q1.

ADC 008 Hančl, J. – Mišík, L. – Tóth, J. T.: Cluster points of sequences of fuzzy real numbers, Soft Computing, vol. 14 (4), (2010), p. 399-404, DOI:10.1007/s00500-009-0413-5, WoS, IF: 1,512 (2010), Q WoS=Q2.

Ohlasy (15):

2023 [1] Karakas, A.: Some new generalized difference of sequences for fuzzy numbers, Soft Computing, vol. 27, no. 1, (2023), p. 47-55, DOI:10.1007/s00500-022-07601-y, WoS.

2022 [3] Aytar, S. – Yamancı, U. – Gürdal, M.: On statistical limit points in a fuzzy valued metric space, International Journal of Fuzzy Systems and Advanced Applications, vol. 9, (2022), p. 6-10.

2018 [1] Altinok, H. - Karakaş, A. - Altin, Y.: Generalized statistical convergence of order β for sequences of fuzzy numbers, AIP Conference Procedings, vol. 1926, no. 020002, (2017), WoS.

2017 [1] Dutta, A. J.: Asymptotically equivalent generalized difference sequences of fuzzy real numbers defined by orlicz function, Thai Journal of Mathematics, vol. 15, no. 2, (2017), p. 503-515, WoS.

2017 [1] Aytar, S.: Rough statistical cluster points, Filomat, vol. 31, no. 16, (2017), p. 5295-5304, WoS.

2016 [1] Karakas, A. - Altin, Y. - Altinok, H.: Almost statistical convergence of order β of sequences of fuzzy numbers, Soft Computing, vol. 20, no. 9, (2016), p. 3611-3616, WoS.

2016 [3] Mukherjee, A. - Kanti Das, A.: Sequences, nets, and filters of fuzzy soft multi sets in fuzzy soft multi topological spaces, Handbook of research on generalized and hybrid set structures and applications for soft computing, (2016).

2015 [3] Kutlu, F. – Fan, T. – Bilgin, T.: Sendograph metric on intuitionistic fuzzy number space, Notes on Intuitionistic Fuzzy Sets, , vol. 21, no. 4, (2015), p. 23-33.

2014 [1] Altinok, H.: Statistical convergence of order β for generalized difference sequences of fuzzy numbers, Journal of Intelligent and Fuzzy Systems, vol. 26, no. 2, (2014), p. 847-856, WoS.

2014 [1] Karakas, A. - Altin, Y. - Altinok, H.: On generalized statistical convergence of order β of sequences of fuzzy numbers, Journal of Intelligent and Fuzzy Systems, vol. 26, no. 4, (2014), p. 1909-1917, WoS.

2013 [1] Sarma, B.: Some double sequence spaces of fuzzy real numbers of paranormed type, Journal of Mathematics, vol. 2013, art. n. 627047, (2013), WoS.

2013 [1] Aytar, S.: A neighbourhood system of fuzzy numbers and its topology, Commun. Fac. Sci.

Univ. Ank. Series A1, vol. 62, no. 1, (2013), p. 73-83, WoS.

2012 [1] Altinok, H. - Altin, Y. - Isik, M.: Statistical convergence and strong p-Cesaro summability of order beta in sequences of fuzzy numbers, Iranian Journal of Fuzzy Systems, vol. 9, no. 2, (2012), p. 63-73, WoS.

2012 [1] Altinok, H.: On lambda-statistical convergence of order beta of sequences of fuzzy numbers, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, vol. 20, no. 2, (2012), p. 303-314, WoS.

2011 [1] Colak, R. - Altin, Y - Mursaleen, M.: On some sets of difference sequences of fuzzy numbers, Soft Computing, vol. 15, no. 4, (2011), p. 787-793, WoS.

ADC 009 Grekos, G. – Mišík, L. – Tóth, J. T.: Density sets of sets of positive integers, Journal of Number Theory, vol. 130, (2010), p. 1399-1407, DOI:10.1016/j.jnt.2009.12.007, WoS, IF: 0,575 (2010), Q WoS=Q3.

Ohlasy (6):

2024 [4] Tóth, D.: Speciális halmazok maximális aszimptotikus sűrűségű részhalmazai = Subsets of special sets with maximum asymptotic density, 16th International Conference of J. Selye University: Sections of the Faculty of Economics and Informatics, (2024), p. 424-430, DOI 10.36007/5093.2024.424.

2020 [1] Leonetti, P. – Tringali, S.: On the notions of upper and lower density, Proceedings of the Edinburgh Mathematical Society, vol. 63, no. 1, (2019), p. 139-167, WoS.

2018 [1] Tryba, J.: Characterization of uniformly distributed sets and maximal density sets, Journal of number theory, vol. 187, (2018), p. 453-468, WoS.

2017 [1] Leonetti, P. - Tringali, S.: Upper and lower densities have the strong Darboux property, Journal of Number Theory, vol. 174, (2017), p. 445-455, WoS.

2017 [4] Paštéka, M.: Density and related topics, Praha, Bratislava: Academia; Veda, vydavateľstvo Slovenskej akadémie vied, 2017, 238.

2011 [3] Bukor, J. - Csiba, P.: Notes on functions preserving density, Acta Universitatis Sapientiae, Mathematica, vol. 3, no. 2, (2011), p. 129-134.

ADC 010 Filip, F. – Tóth, J. T.: Characterization of asymptotic distribution functions of ratio block sequences, Periodica Mathematica Hungarica, vol. 60 (2), (2010), p. 115-126, DOI:10.1007/s10998-010-2115-2, WoS, IF: 0, 394 (2010), Q WoS=Q4.

Ohlasy (5):

2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2019 [4] Strauch, O.: Distribution of sequences: A theory, Bratislava: House of the Slovak Academy of Sciences, (2019), 591.

2016 [3] Krčmarský, D. – Mišík, L. – Václavíková, Z.: On small sets of distribution functions of ratio block sequences, Uniform distribution theory, vol. 16, no. 1, (2016), p. 165-174.

2015 [2] Strauch, O.: Distribution functions of ratio sequences. An expository paper, Tatra Mountains Mathematical Publications, vol. 64, (2015), p.133-185, DOI:10.1515/tmmp-2015-00, SCOPUS.

2007 [4] Grekos, G. - Strauch, O.: Distribution functions of ratio sequences, II., Uniform Distribution Theory, vol. 2, no. 1, (2007), p. 77.

ADC 011 Hančl, J. – Mišík, L. – Tóth, J. T.: Asymptotic distance and its application. Rocky Mountain Journal of Mathematics, vol. 41 (1), (2011), p. 177-188, DOI:10.1216/RMJ-2011-41-1-177, WoS, IF: 0,312 (2011), Q WoS=Q4.

ADC 012 Baláž, V. – Mišík, L. – Strauch, O. – Tóth, J. T.: Distribution functions of ratio sequences, IV, Periodica Mathematica Hungarica, vol. 66 (1), (2013), p. 1-22, DOI:10.1007/s10998-013-4116-4, WoS, IF: 0,379 (2013), Q WoS=Q4.

Ohlasy (3):

2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.

2015 [1] Iaco, M. R. - Thonhauser, S. - Tichy, R. F.: Distribution functions, external limits and optimal transport, Indagationes Mathematicae, vol. 26, no. 5, (2015), p. 823-841, WoS.

ADC 013 Bukor, J. – Mišík, L. – Tóth, J. T.: On mappings preserving measurability, Information Sciences, vol. 235, (2013), p. 323-328, DOI:10.1016/j.ins.2013.02.007, WoS, IF: 3,893 (2013), Q WoS=Q1.

Ohlasy (2):

2017 [4] Paštéka, M.: Density and related topics, Praha, Bratislava: Academia; Veda, vydavateľstvo Slovenskej akadémie vied, (2017), 238.

2013 [4] Paštéka, M.: On four approaches to density, Bratislava: University of Trnava, 2013, 97.

ADC 014 Mišík, L. – Tóth, J. T.: On partial limits of sequences, Fuzzy Sets and Systems, vol. 375, (2019), p. 179-190, DOI: 10.1016/j.fss.2019.01.013, WoS, IF: 3,305 (2019), Q WoS=Q1.

ADC 015 Bukor, J. – Filip, F. – Tóth, J. T.: Sets with countably infinitely many prescribed weighted densities, Rocky Mountain Journal of Mathematics, vol. 50 (2), (2020), p. 467-477, DOI: 10.1216/rmj.2020.50.467, WoS, IF: 0,568 (2020), Q WoS=Q4.

ADC 016 Tóth, J. T. – Filip, F. – Bukor, J. – Zsilinszky, L.: On I (< q) – and I (≤ q) – convergence of arithmetic functions, Periodica Mathematica Hungarica, vol. 82 (2), (2021), p. 125-135, DOI: 10.1007/s10998-020-00345-y, WoS, IF: 0,672 (2021), Q WoS=Q3.

Ohlasy (4):

2021 [1] Svitek, Sz.– Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2020 [3] Baláž, V., Visnyai, T.: I–Convergence of Arithmetica, Number Theory and Its Applications, (2020), p. 125-147, DOI:10.5772/intechopen.91932.

2020 [3] Awel, A.: Remarks on the arithmetical function (ap(n)), Journal of Universal Mathematics, vol. 3, no. 2, (2020), p. 131-136, DOI:10.33773/jum.637104.

2020 [1] Awel, A. – Kücükaslan, M.: A note on statistical limit and cluster points of the arithmetical functions (a(p) (n)), (gamma(n)) and tau(n)), Journal of the Indonesian Mathematical Society, vol. 26, no.2, (2020), p. 224-233, WoS.

V3 (ADC 017) Bukor, J. – Filip, F. – Šustek, J. – Tóth, J. T.: Comparing weighted densities, Journal of Inequalities and Applications, art. no. 146, (2022), p. 1-20, DOI: 10.1186/s13660-022-02885-y, WoS, IF: 1,6 (2022), Q WoS=Q1.

V3 (ADC 018) Miska, P. – Tóth, J. T.: Characteristics of Distributions of Sets and Their (R)- and (N)-Denseness, Results in Mathematics, vol. 78, art. no. 54, (2023), p. 1-33, DOI:10.1007/s00025-022-01830-1, WoS, IF: 1,1 (2023), Q WoS=Q1.

V3 (ADC 019) Mišík, L. – Tóth, J. T.: Maldistributed sequences in metric spaces, Journal of Mathematical Analysis and Application, vol. 541 (2), art. no. 128667, (2025). WoS, JIF: 1,2 (2023), Q WoS JIF =Q1, AIS: 0,638(2023), Q WoS AIS=Q2.

V3 (ADC 020) Tóth, J. T. – Filip, F. – Svitek, Sz. – Václavíková Z.: Characterization of Monotone Sequences of Positive Numbers Prescribed by Means, Mathematics, vol. 13 (5), art. no. 696, (2025), WoS, JIF: 2,3 (2023), Q WoS JIF = Q1, AIS: 0,374 (2023), Q WoS AIS = Q3.

II. Ostatné recenzované publikácie

ADE - Vedecké práce v ostatných zahraničných časopisoch (23)

ADE 001 Tóth, J. T. – Zsilinszky, L.: Insertion of $^{Ep\ (\lambda)}$ to $^{L\infty}$ for the best approximation in Haar's system of functions if 0<p<1, Serdica Bulgaricae mathematicae publications, vol. 18, (1992), p. 36-42.

ADE 002 Šalát, T. – Tóth, J. T. – Zsilinszky, L.: Metric space of metrics defined on a given set, Real Analysis Exchange, vol. 18 (1), (1992), p. 225-231, DOI: 10.2307/44133061.
> **Ohlasy (4):**
> 2022 [1] Carvalho, M. – Rodrigues, F. B. – Varandas, P.: Generic homeomorphisms have full metric mean dimension, Ergodic theory & dynamical systems, vol. 42, no. 1, (2022), p. 40, DOI:10.1017/etds.2020.130, WoS.
> 2017 [1] Demetriou, N. – Künzi, H. P. A.: A study on quasi-pseudometrics, Hacettepe Journal of Mathematics and Statistics, vol. 46, no. 1, (2017), p. 33-52, WoS.
> 1998 [4] Doboš, J.: Metric preserving functions, Košice: Štroffek, (1998), 81.
> 1996 [1] Vallin, R. W.: More on the metric space of metrics, Real Analysis Exchange, vol. 21, no. 2, (1996), p. 742, SCOPUS.

ADE 003 Tóth, J. T. – Zsilinszky, L.: On the class of functions having infinite limit on a given set, Colloq. Math., vol. 67, (1994), p. 177-180, DOI: 10.4064/CM-67-2-177-180.
> **Ohlasy (1):**
> 1995 [3] Natkaniec, T.: On sets determined by limits of a real function, Zeszyty Naukowe Politechniki Lódzkiej. Matematyka, vol. 27, (1995), p. 105.

ADE 004 Šalát, T. – Tóth, J. T. – Zsilinszky, L.: On the structure of the space of metrics defined on a given set, Real Analysis Exchange, vol. 19 (1), (1993), p. 321-327, DOI: 10.2307/44153847.
> **Ohlasy (4):**
> 2017 [1] Demetriou, N. – Künzi, H. P. A.: A study on quasi-pseudometrics, Hacettepe Journal of Mathematics and Statistics, , vol. 46, no. 1, (2017), p. 33-52, WoS.
> 1998 [4] Doboš, J.: Metric preserving functions, Košice: Štroffek, (1998), 81.
> 1997 [3] Riečan, B. - Neubrunn, T.: Integral, Measure, and Ordering, Dordecht: Kluwer, (1997), 368.
> 1996 [1] Vallin, R. W.: More on the metric space of metrics, Real Analysis Exchange, vol. 21, no. 2, (1996), p. 742, SCOPUS.

ADE 005 Bukor, J. – Tóth, J. T. – Zsilinszky, L.: The logarithmic mean and the power mean of positive numbers, Octogon Mathematical Magazine (Brasov), vol. 2 (1), (1994), p. 19-24.
> **Ohlasy (9):**
> 2013 [3] Pan, X. - Meng, X.: Optimal Convex Combination Bounds for the First Contraharmonic and the Logarithmic Means, Journal of Hebei University (Natural Science Edition), vol. 33, no. 2, (2013), p. 124-127.

2012 [1] Xia, W. - Hou, S. - Wang, G. - Chu., Y.: Optimal one-parameter, mean bounds for the convex combination of arithmetic and geometric means, Journal of Applied Analysis, vol. 18, no. 2, (2012), p. 197-207, WoS.

2012 [1] Chu, Y. M. - Shi, M. Y. - Jiang, Y. P.: Optimal Inequalities for the Power, Harmonic and Logarithmic Means, Bulletin of the Iranian Mathematical Society, vol. 38, no. 3, (2012), p. 597-606, WoS.

2011 [1] Chu, Y. M - Long, B. Y.: Sharp Inequalities Between Means, Mathematical Inequalities and Applications, vol. 14, no. 3, (2011), p. 647-655, WoS.

2010 [1] Chu, Y. - Long, B.: Optimal Power Mean Bounds for the Weighted Geometric Mean of Classical Means, Journal of Inequalities amd Applications, (2010), no. 905679, WoS.

2010 [3] Shi, M. - Chu, Y. - Jiang, Y.: Three Best Inequalities for Means in Two Variables, International Mathematical Forum, vol. 5, no. 22, (2010), p. 1059-1066.

2009 [1] Chu, Y. M. - Xia, W. F.: Two Sharp Inequalities for Power Mean, Geometric Mean, and Harmonic Mean, Journal of Inequalities amd Applications, vol. 2009, no. 741923, (2009), WoS.

2009 [1] Shi, M. Y. - Chu, Y. M., - Jiang, Y. P.: Optimal Inequalities Among Various Means of Two Arguments, Abstract and Applied Analysis, no. 694394, (2009), WoS.

2006 [4] Csiba, P. - Filip, F.: Súlyozott közepek által definiált rekurzív sorozatokról: On certain sequences defined wit weighted means, Eruditio-Educatio, vol 1, no. 3, (2006), p. 26.

ADE 006 Bukor, J. – Tóth, J. T.: Estimation of the mean value of some arithmetical functions, Octogon (Brasov), vol. 3, (1995), p. 31-32.

Ohlasy (2):

2004 [3] Guy, R. K.: Unsolved problems in number theory, New York : Springer, (2004), p. 140.

1997 [4] Tóth, L.: Asymptotic formulae concerning the product and the quotient of the arithmetical functions sigma s and phi s, In Tatra Mountains Mathematical Publications, vol. 11, (1997), p. 175.

ADE 007 Tóth, J. T. – Zsilinszky, L.: On density of ratio sets of powers of primes, Nieuw Archief voor Wiskunde, vol. 13 (2), (1995), p. 205-208.

Ohlasy (3):

2022 [1] Bai, J. – Meleshko, J. – Riasat, S. – Shallit, J.: Quotients of Palindromic and Antipalindromic Numbers, Integers, vol 22, no. A96, (2022), SCOPUS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main : Peter Lang, (2005), p. 5-7.

2000 [4] Bukor, J. - László, B.: O hustote množiny n/lambda(n) : n .ELM. N, In Acta Mathematica 4, Nitra : UKF, (2000), p. 78.

ADE 008 Šalát, T. – Tóth, J. T.: On radii of convergence of power series, Bulletin Mathematique (Romania), vol. 38 (86), 3-4 (1994-1995), p. 183-198.

Ohlasy (2):

2006 [3] Das, P. – Malik, P.: A note on a function associated with the statistical limit superior, Mathematical Communications, vol. 11, no. 2, (2006), p. 135.

2002 [1] Lahiri, B. K. – Das, P.: On some properties connecting infinite series, Turkish Journal of Mathematics, vol. 26, no. 3, (2002), p. 339-353, SCOPUS.

ADE 009 Bukor, J. – Tóth, J. T.: On some properties of values of a class of arithmetical functions, Publicationes Mathematicae Debrecen, vol. 46, (1995), p. 187-193, WoS, IF: 0,089 (1997) , Q WoS=Q4.

Ohlasy (2):

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7, Electronic revised version January 18, 2018

2000 [4] László, B.: Teória najmenšieho univerzálneho exponenta, Nitra: UKF, (2000), p. 143.

ADE 010 László, B. – Tóth, J. T.: Relatively (R)-dense universal sequences for certain classes of functions, Real Analysis Exchange, vol. 21 (1), (1995), p. 335-339, DOI: 10.2307/44153924. SCOPUS.

> **Ohlasy (1):**
>
> 2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences :a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

ADE 011 Holá, Ľ. – Tóth, J. T. – Zsilinszky, L.: The generic property of non-expansive mappings in Banach spaces, Rivista di Math. Pura ed Applicata, (1995), p. 63-69.

ADE 012 Bukor, J. – Tóth, J. T.: On completely dense sequences, Acta Mathematica et Informatica Universitatis Ostraviensis, vol. 6, (1998), p. 37-40.

> **Ohlasy (2):**
>
> 2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.
>
> 2000 [4] László, B.: Teória najmenšieho univerzálneho exponenta, Nitra: UKF, (2000), p. 143.

ADE 013 Bukor, J. – Filakovszky, P. – Tóth, J. T.: On the diophantine equation x1x2....xn=h(n)(x1+x2+...+xn), Annales Mathematicae Silesianae, vol. 12, (1998), p. 123-130.

ADE 014 Šalát, T. – Taylor, S. J. – Tóth, J. T.: Radii of convergence of power series, Real Analysis Exchange, vol. 24 (1), (1998), p. 263-274, DOI: 10.2307/44152953.

> **Ohlasy (5):**
>
> 2009 [1] Das, P. - Malik, P. - Savas, E.: On statistical limit points of double sequences, Applied Mathematics and Computation, vol. 215, no. 3, (2009), p. 1030-1034, WoS.
>
> 2009 [1] Das, P. - Dey, L. K.: Porosity of certain classes of operators in generalized metric spaces, Demonstratio Mathematica, vol. 42, no. 1, (2009), p. 174, WoS.
>
> 2005 [1] Zajíček, L.: On sigma-porous sets in abstract spaces, Abstract and Applied Analysis, vol. 2005, no. 5, (2005), p. 509-534, WoS.
>
> 2005 [1] Lahiri, B. K. – Das, P.: Well-posedness and porosity of a certain class of operators, Demonstratio Mathematica, vol. 38, no. 1, (2005), p. 169-176, SCOPUS.
>
> 2002 [1] Lahiri, B. K. – Das, P.: On some properties connecting infinite series, Turkish Journal of Mathematics, vol. 26, no. 3, (2002), p. 339-353, SCOPUS.

ADE 015 Mačaj, M. – László, B. – Šalát, T. – Tóth, J. T.: Uniform distribution of sequences and porosity of sets, Mathematica (Cluj), vol. 43 (60), (1998), p. 207-218.

> **Ohlasy (1):**
>
> 2005 [1] Zajíček, L.: On sigma-porous sets in abstract spaces, Abstract and Applied Analysis, vol. 2005, no. 5, (2005), p. 509-534, WoS.

ADE 016 Strauch, O. – Tóth, J. T.: Distribution functions of ratio sequences, Publ. Math. Debrecen, vol. 58(4), (2001), p. 751-778, DOI: 10.5486/PMD.2001.2445, WoS, IF: 0,139 (2001), Q WoS=Q4.

> **Ohlasy (9):**
>
> 2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.
>
> 2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.
>
> 2018 [1] Tryba, J.: Characterization of uniformly distributed sets and maximal density sets, Journal of number theory, vol. 187, (2018), p. 453-46, WoS.
>
> 2016 [3] Krčmarský, D. – Mišík, L. – Václavíková, Z.: On small sets of distribution functions of ratio

block sequences, Uniform distribution theory, vol. 16, no. 1, (2016), p. 165-174.

2015 [1] Iaco, M. R. - Thonhauser, S. - Tichy, R. F.: Distribution functions, external limits and optimal transport, Indagationes Mathematicae, vol. 26, no. 5, (2015), p. 823-841, WoS.

2010 [1] Giuliano, R - Grekos, G. - Mišík, L.: Open Problems on Densities II., Diophantine Analysis and Related Fields, , vol. 1264, (2010), p. 114-128, WoS.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra : UKF, (2009), 69.

2002 [4] Mišík, L.: Sets of positive integers with prescribed values of densities, Mathematica Slovaca, vol. 52, no. 3, (2002), p. 296.

ADE 017 Mišík, L. – Tóth, J. T.: Logarithmic density of a sequence of integers and density of its ratio set, Journal de Théorie des Nombres de Bordeaux, vol. 15, (2003), p. 309–318, DOI: 10.5802/jtnb.404, SCOPUS.

Ohlasy (8):

2022 [1] Bai, J. – Meleshko, J. – Riasat, S. – Shallit, J.: Quotients of Palindromic and Antipalindromic Numbers, Integers, vol 22, no. A96, (2022), SCOPUS.

2018 [1] Koutras, C. D. – Liaskos, K. – Moyzes, C. – Rantsoudis, C.: Default reasoning via topology and mathematical analysis: a preliminary report, AAAI Publications, 16th International Conference on Principles of Knowledge Representation and Reasoning, (2018), p. 267-276, WoS.

2015 [1] Ferreira, L. A.: A compendium of results in additive number theory, Sao Paulo Journal of Mathematical Sciences, vol. 9, no. 1, (2015), p. 97-109, WoS.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2008 [2] Kijonka, V.: On calculation of generalized densities, Mathematica Slovaca, vol. 58., no. 2, (2008), p. 155-164, WoS.

2007 [3] Kijonka, V.: On relations between f - density and (R) – density, Acta Mathematica Universitatis Ostraviensis, vol. 15, no. 1, (2007), p. 20.

2005 [2] Grekos, G.: The density set: A survey, Tatra Mountains Mathematical Publications, vol. 31, (2005), p. 103-111, WoS.

2005 [2] Grekos, G.: On various definitions of density (survey), Tatra Mountains Mathematical Publications, vol. 31, (2005), p. 17-27, WoS.

ADE 018 Bukor, J. – Tóth, J. T.: On accumulation points of generalized ratio sets of positive integers, Acta Academiae Paedagogicae Agriensis Sectio Mathematicae, vol. 30, (2003), p. 37-43, SCOPUS.

Ohlasy (2):

2022 [1] Bai, J. – Meleshko, J. – Riasat, S. – Shallit, J.: Quotients of Palindromic and Antipalindromic Numbers, Integers, vol 22, no. A96, (2022), SCOPUS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

ADE 019 Bukor, J. – Tóth, J. T.: On some criteria for the density of the ratio sets of positive integers, JP Jour. Algebra, Number Theory and Appl., vol. 3 (2), (2003), p. 277–287.

Ohlasy (5):

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [4] Strauch, O.: Distribution of sequences: A theory, Bratislava: House of the Slovak Academy of Sciences, (2019), p. 591.

2008 [2] Kijonka, V.: On calculation of generalized densities, Mathematica Slovaca, vol. 58, no. 2, (2008), p. 155-164, WoS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

ADE 020 Csiba, P. – Filip, F. – Tóth, J. T.: Distribution of terms of a logarithmic sequence, Annales Mathematicae et Informaticae, vol. 34, (2007), p. 33 – 45, WoS.

ADE 021 Filip, F. – Liptai, K. – Mátyás, F. – Tóth, J. T.: On the best estimations for dispersions of special ratio block sequences, Annales Mathematicae et Informaticae, vol. 37 (2010), p. 85-93, WoS.

Ohlasy (1):

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.

ADE 022 Mátyás, F. – Liptai, K. – Tóth, J. T. – Filip, F.: Polynomials with special coefficients, Annales Mathematicae et Informaticae, vol. 37, (2010), p. 101-106, WoS.

Ohlasy (4):

2024 [1] Shattuck, M.: Polynomials whose coefficients are generalized Leonardo numbers, Mathematica Slovaca, vol. 74, issue 2, (2024), p. 299-312, WoS.

2017 [1] Sitthaset, A. - Laohakosol, V. - Mavecha, S.: Polynomials with generalized Fibonacci number coefficients, AIP Conference Proceedings, vol. 1905, no. 030034, (2017), WoS.

2013 [1] Mansour, T. - Shattuck, M.: Polynomials whose coefficients are generalized Tribonacci numbers, Applied Mathematics and Computation, vol. 219, no. 15, (2013), p. 8366-8374, WoS.

2012 [1] Mansour, T. - Shattuck, M.: Polynomials whose coefficients are k-fibonacci numbers, Annales Mathematicae et Informaticae, vol. 40, (2012), p. 57-76, WoS.

ADE 023 Mišík, L. – Tóth, J. T.: Large families of almost disjoint large subsets of N, Acta Universitatis Sapientiae, Mathematica, vol. 3 (1), (2011), p. 26-33.

Ohlasy (3):

2023 [1] Ayatollah Zadeh Shirazi, F. – Hakimi, E. – Hosseini, A. – Rezavand, R.: Li–Yorke and Devaney chaotic uniform dynamical systems amongst weighted shifts, Topology and its Applications, vol. 326, (2023), DOI:10.1016/j.topol.2022.108406, WoS.

2020 [1] Ahmadabadi, Z. N. – Shirazi, F. A. Z.: Distributional chaotic generalized shifts, Journal of dynamical systems and geometric theories, vol. 18, no. 1, (2020), p. 53-70, WoS.

2014 [3] Shirazi, F. A. Z. – Sarkooh, J. N.: Li-Yorke chaotic generalized shift dynamical systems, Caspian Journal of Mathematical Sciences, vol. 3, no. 2, (2014), p. 289-295.

ADF - Vedecké práce v ostatných domácich časopisoch (6)

ADF 001 Tóth, J. T. – Zsilinszky, L.: On a typical property of functions, Math. Slovaca, vol. 45, (1995), p. 121-127.

Ohlasy (1):

2005 [1] Zajíček, L.: On sigma-porous sets in abstract spaces, Abstract and Applied Analysis, vol. 2005, no. 5, (2005), p. 509-534, WoS.

ADF 002 Bukor, J. – Erdős, P. – Šalát, T. – Tóth, J. T.: Remarks on the (R)-density of sets of numbers, II., Math. Slovaca, vol. 47, (1997), p. 517-526.

Ohlasy (17):

2023 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: linear recurrence sequences, Bulletin of the Australian Mathematical Society, (2023), DOI:10.1017/S0004972722001563, WoS.

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized

direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2022 [1] Bai, J. – Meleshko, J. – Riasat, S. – Shallit, J.: Quotients of Palindromic and Antipalindromic Numbers, Integers, vol 22, no. A96, (2022), SCOPUS.

2022 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: cubic forms., Archiv der Mathematik, vol. 118, no. 2, (2022), p. 143-149, WoS.

2022 [1] Deepa, A. – Rupam, B. – Piotr. M: P-adic quotient sets: diagonal forms, Archiv der Mathematik, vol. 119, no. 5, (2022), p. 461-470, DOI:10.1007/s00013-022-01785-3, WoS.

2021 [1] Miska, P.: A note on p-adic denseness of quotients of values of quadratic forms, Indagationes Mathematicae, vol. 32, no. 3, (2021), p. 639 – 645, WoS.

2020 [3] Garcia, Stephan.: Lateral movement in undergraduate research: case studies in number theory, A Project-Based Guide to Undergraduate Research in Mathematics, (2020), p. 203-234.

2020 [1] Leonetti, P. – Sanna, C.: Direction sets: A generalisation of ratio sets, Bulletin of the Australian Mathematical Society, vol. 101, no. 3, (2020), p. 389-395, WoS.

2020 [1] Miska, P. – Sanna, C.: P-adic denseness of members of partitions of N and their ratio sets, Bulletin of the Malaysian Mathematical Sciences Society, vol. 43, no. 2, (2020), p. 1127-1133, WoS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [1] Donnay, C. – Garcia, S. R. – Rouse, J.: P-adic quotient sets II: Quadratic forms, Journal of Number Theory, vol. 201, (2019), p. 23-29, WoS.

2017 [1] Garcia, S. R. – Hong, Y. X. – Luca, F. – Pinsker, E. – Sanna, C. – Schechter, E. – Starr, A.: P-adic quotient sets, Acta Arithmetica, vol. 179, no. 2, (2017), p. 163-184, WoS.

2016 [1] Garcia, S. R. - Luca, F.: Quotients of Fibonacci Numbers, The American Mathematical Monthly, vol. 123, no. 10, (2016), p. 1039-1044, WoS.

2014 [1] Brown, B. - Dairyko, M. - GARCIA S. R. et al.: Four Quotient Set Gems, The American Mathematical Monthly, (2014), vol. 121, no. 7, p. 590-599. WoS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler. Frankfurt am Main: Peter Lang, (2005), p. 5-7.

2005 [1] Kostyrko, P. – Strauch, O.: Professor Tibor Šalát (1926-2005), Tatra Mountains Mathematical Publications: Density concepts with applications to the social sciences, vol. 31, (2005), p. 1-16, WoS.

1998 [4] Komzsík, A. - László, B.: On quotient base of sets of natural numbers, Acta Mathematica 3, Nitra: UKF, (1998), p. 54.

ADF 003 Bukor, J. – Šalát, T. – Tóth, J. T.: Remarks on R-density of sets of numbers, Tatra Mountains Publ., vol. 11, (1997), p. 159-165.

Ohlasy (17):

2022 [1] Deepa. A. – Rupam, B. – Chattopadhyay, J.: On denseness of certain direction and generalized direction sets, Integers, vol. 22, no. A88, (2022), p. 1-8, DOI:10.48550/arXiv.2206.00413, SCOPUS.

2022 [1] Deepa, A. - Rupam, B.: P-adic quotient sets: cubic forms, Archiv der Mathematik, vol. 118, no. 2, (2022), p. 143-149, WoS.

2022 [1] Deepa, A. – Rupam, B. – Piotr. M: P-adic quotient sets: diagonal forms, Archiv der Mathematik, vol. 119, no. 5, (2022), p. 461-470, DOI:10.1007/s00013-022-01785-3, WoS.

2021 [1] Miska, P.: A note on p-adic denseness of quotients of values of quadratic forms, Indagationes Mathematicae, vol. 32, no. 3, (2021), p. 639 – 645, WoS.

2020 [3] Garcia, Stephan.: Lateral movement in undergraduate research: case studies in number theory, A Project-Based Guide to Undergraduate Research in Mathematics, (2020), p. 203-234.

2020 [1] Leonetti, P. – Sanna, C.: Direction sets: A generalisation of ratio sets. In Bulletin of the Australian Mathematical Society, (2020), vol. 101, no. 3, p. 389-395. WoS.

2020 [1] Miska, P. – Sanna, C.: P-adic denseness of members of partitions of N and their ratio sets, Bulletin of the Malaysian Mathematical Sciences Society, vol. 43, no. 2, (2020), p. 1127-1133, WoS.

2019 [1] Chattopadhyay, J. – Roy, B. – Sarkar, S.: On fractionally dense sets, Rocky Mountain Journal of Mathematics, vol. 49, no. 3, (2019), p. 743-760, WoS.

2019 [1] Donnay, C. – Garcia, S. R. – Rouse, J.: P-adic quotient sets II: Quadratic forms, Journal of

Number Theory, vol. 201, (2019), p. 23-29, WoS.

2019 [1] Miska, P. - Murru, N. - Sanna, C.: On the p-adic denseness of the quotient set of a polynomial image, Journal of Number Theory, vol. 197, (2019), p. 218-227, WoS.

2017 [1] Garcia, S. R. – Hong, Y. X. – Luca, F. – Pinsker, E. – Sanna, C. – Schechter, E. – Starr, A.: P-adic quotient sets, Acta Arithmetica, vol. 179, no. 2, (2017), p. 163-184, WoS.

2017 [1] Sanna, C.: The quotient set of k-generalised Fibonacci numbers is dense in Qp, Bulletin of the Australian Mathematical Society, , vol. 96, no. 1, (2017), p. 24-29, WoS.

2016 [1] Garcia, S. R. - Luca, F.: Quotients of Fibonacci numbers, The American Mathematical Monthly, vol. 123, no. 10, (2016), p. 1039-1044, WoS.

2014 [1] Brown, B. - Dairyko, M. - Garcia S. R. et al.: Four Quotient Set Gems, The American Mathematical Monthly, vol. 121, no. 7, (2014), p. 590-599, WoS.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

2005 [1] Kostyrko, P. – Strauch, O.: Professor Tibor Šalát (1926-2005), Tatra Mountains Mathematical Publications: Density concepts with applications to the social sciences, vol. 31, (2005), p. 1-16, WoS.

1998 [4] Komzsík, A. - László, B.: On quotient base of sets of natural numbers, Acta Mathematica 3, Nitra: UKF, (1998), 54.

ADF 004 Tóth, J. T. – Mišík, L. – Filip, F.: On some properties of dispersion of block sequences of positive integers, Math. Slovaca, vol. 54 (5), (2004), p. 453-464.

    Ohlasy (6):

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.

2015 [2] Strauch, O.: Distribution functions of ratio sequences. An expository paper, Tatra Mountains Mathematical Publications, vol. 64, no. 1, (2015), p. 133-185, SCOPUS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra: UKF, (2009), 69.

2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.

2008 [2] Kijonka, V.: On calculation of generalized densities, Mathematica Slovaca, vol. 58, no. 2, (2008), p. 155-164, WoS.

2007 [4] Grekos, G. - Strauch, O.: Distribution functions of ratio sequences, II., Uniform Distribution Theory, vol. 2, no. 1, (2007), p. 77.

ADF 005 Filip, F. – Mišík, L. – Tóth, J. T.: On distribution functions of certain block sequences, Uniform Distribution Theory, vol 2 (1), (2007), p. 115-126.

    Ohlasy (5):

2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2019 [4] Strauch, O.: Distribution of sequences: A theory, Bratislava: House of the Slovak Academy of Sciences, (2019), p. 591.

2015 [2] Strauch, O.: Distribution functions of ratio sequences. An expository paper, Tatra Mountains Mathematical Publications, vol. 64, no. 1, (2015), p. 133-185, SCOPUS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra: UKF, (2009), 69.

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7, Electronic revised version January 18, 2018

ADF 006 Filip, F. – Mišík, L. – Tóth, J. T.: On ratio block sequences with extreme distribution function, Math. Slovaca, vol. 59 (3), (2009), p. 275-282, DOI: 10.2478/s12175-009-0123-6, WoS, IF: 0, 308 (2009), Q WoS=Q4.

    Ohlasy (3):

2021 [1] Svitek, Sz. - Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.

2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra: UKF, (2009), 69.

ADM - Vedecké práce v zahraničných časopisoch registrovaných od roku 2013 v databázach Web of Science alebo SCOPUS (13)

ADM 001 Baláž, V. – Mišík, L. – Strauch, O. – Tóth, J. T.: Distribution functions of ratio sequences, III., Publ. Math. Debrecen, vol. 82, (2013), p. 511-529, DOI:10.5486/PMD.2013.4770, WoS, IF: 0,519 (2013), Q WoS=Q3.

Ohlasy (3):

2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60. WoS.

2015 [1] Iaco, M. R. - Thonhauser, S. - Tichy, R. F.: Distribution functions, external limits and optimal transport, Indagationes Mathematicae, vol. 26, no. 5, (2015), p. 823-841, WoS.

ADM 002 Bege, A. – Bukor, J. – Tóth, J. T.: On (log-) convexity of power mean, Annales Mathematicae et Informaticae, vol. 42, (2013), p. 3-7, WoS.

Ohlasy (6):

2020 [1] Tian, J. F. - Ha, M. H. - Xing, H. J.: Properties of the power-mean and their applications, AIMS Mathematics., vol. 5, no. 6, (2020), p. 7285-7300, WoS.

2018 [1] Dinh, T. H. – Dumitru, R. – Franco, J. A.: The matrix power means and interpolations, Adv. Oper. Theory, vol. 3, no. 3, (2018), p. 647-654, WoS.

2016 [1] Alzer, H.: Inequalities for mean values in two variables, Real Analysis Exchange, vol. 41, no. 1, (2016), p. 101-122, WoS.

2016 [1] Raissouli, M. - Sándor, J.: Sub-super-stabilizability of certain bivariate means via mean-convexity, Journal of Inequalities and Applications, no. 273, (2016), WoS.

2015 [1] Sándor, J.: A note on log-convexity of power means, Annales Mathematicae et Informaticae, , vol. 45, (2015), p. 107-110, WoS.

2015 [1] Matejíčka, L.: Short note on convexity of powermean, Tamkang Journal of Mathematics, vol. 46, no. 4, (2015), p. 423-426, SCOPUS.

ADM 003 Bukor, J. – Filip, F. – Tóth, J. T.: A criterion for comparability of weighted densities, Applied Mathematical Sciences, vol. 8 (56), (2014), p. 2793-2799, DOI:10.12988/ams.2014.43162, SCOPUS.

ADM 004 Bukor, J. – Tóth, J. T. – Zsilinsky, L.: A note on more rapid convergence to a density, JP Journal of Algebra, Number Theory and Applications, vol. 32 (2), (2014), p. 79-86, WoS.

ADM 005 Csiba, P. – Filip, F. – Komzsík, A. – Tóth, J. T.: On the existence of the generalized Gauss composition of means, Annales Mathematicae et Informaticae, vol. 43 (2014), p. 55-65, WoS.

Ohlasy (1):

2019 [1] Kiss, G.: The influence of using self-devised multimedia applications on paper results in teaching history of cryptography and steganography, 13th International Technology, Education and Development Conference, INTED Proceedings, (2019), p. 8659-8667, WoS.

ADM 006 Bukor, J. – Filip, F. – Tóth, J. T.: On properties derived from different types of asymptotic distribution functions of ratio sequences, Publicationes Mathematicae Debrecen, vol. 95 (1-2), (2019), p. 219-230, DOI:10.5486/PMD.2019.8498, WoS, IF: 0,672 (2019), QWoS=Q3.

> **Ohlasy (1):**
> 2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

ADM 007 Tusor, B. – Tóth, J. T. – Várkonyi-Kóczy, A. R.: SIT-based functional dependency extraction, Acta Polytechnica Hungarica: An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section: Journal of applied sciences, vol. 16 (10), (2019), p. 65-81, WoS, IF: 1,219 (2019), Q WoS=Q3.

ADM 008 Baláž, V. – Liptai, K. – Tóth, J. T. – Visnyai, T.: Convergence of positive series and ideal convergence, Annales Mathematicae et Informaticae, vol. 52, (2020), p. 19-30. DOI: 10.33039/ami.2020.05.005, WoS, SCOPUS, SNIP: 0,467 (2020), Q SCOPUS=Q4.

ADM 009 Bukor, J. – Tóth, J. T.: On topological properties of the set of maldistributed sequences, Acta Universitatis Sapientiae, Mathematica, vol. 12 (2), (2020), p. 272-279, DOI: 10.2478/ausm-2020-0018, WoS, SCOPUS, SNIP: 0,627 (2020), Q SCOPUS=Q3.

ADM 010 Mišík, L. – Tóth, J. T.: Ideal extensions of Olivier´s theorem, Real Analysis Exchange, vol. 46 (1), (2021), p. 261-268, DOI: 10.14321/realanalexch.46.1.0261, WoS, SCOPUS, SNIP: 0,44 (2021), Q SCOPUS=Q4.

> **Ohlasy (3):**
> 2023 [1] Baláž, V., Visnyai, T., Maťašovský, A.: I^h-convergence and convergence of positive series, Mathematical Communications, vol. 28, no. 1, (2023), p. 1-9, WoS.
> 2023 [1] Filipow, R. – Kwela, A. – Tryba, J.: The ideal test for the divergence of a series, Revista de la Real Academia de Ciencias Exactas Fisicas y Naturales Serie A – Matematicas, vol. 117 (3), article no. 98, (2023), WoS.
> 2021 [1] Bartoszewicz, A. – Głab, Sz. – Widz, A.: Olivier´s theorem: ideal convergence, algebrability and Borel classification, Revista de la Real Academia de Ciencias Exactas Fisicas y Naturales Serie A – Matematicas, vol. 115, (2021), WoS.

ADM 011 Tóth, J. T. – Bukor, J. – Filip, F. – Mišík, L.: On Ideals Defined by Asymptotic Distribution Functions of Ratio Block Sequences, Filomat, vol. 35 (12), (2021), p. 3945-3955, DOI: 10.2298/FIL2112945T, WoS, IF: 0,988 (2021), Q WoS=Q2.

> **Ohlasy (1):**
> 2021 [1] Svitek, Sz. – Vontszemű, M.: On structure of the family of regularly distributed sets with respect to the union, Annales mathematicae et informaticae, vol. 54, (2021), p. 109-119, WoS.

V3 (ADM 012) Bukor, J. – Liptai, K. – Tóth, J. T. : Typical Sequence of Real Numbers From the Unit Interval Has All Distribution Functions, International Journal of Analysis and Applications, vol. 22, art. no. 72, (2024), DOI: 10.28924/2291-8639-22-2024-72, WoS, JIF: 0,7 (2023), Q WoS JIF= Q2, AIS: 0,169 (2023), Q WoS AIS=Q4.

V3 (ADM 013) Bukor, J. – Filip, F. – Tóth, J.: On positive sequences of reals whose block

sequence has an asymptotic distribution function, Notes on Number Theory and Discrete Mathematics, vol. 30 (3), (2024), WoS, JIF: 0,4 (2023), Q WoS JIF =Q4, AIS: 0,104 (2023), Q WoS AIS=Q4.

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (5)

AEC 001 Šalát, T. – Tóth, J. T. – Zsilinszky, L.: On cardinality of sets of metrics generating metric spaces of prescribed properties, Annales Univ. Sci. Budapest, vol. 35, (1992), p. 15-21.
> **Ohlasy (1):**
> 1996 [1] Vallin, R. W.: More on the metric space of metrics, Real Analysis Exchange, vol. 21, no. 2, (1996), p. 742, SCOPUS.

AEC 002 Čeretková, S. – Fulier, J. – Tóth, J. T.: On the certain subsets of the space of metrics, Acta Acad. Paed. Agriensis, vol. XXIV., (1997), p. 111-115, SCOPUS.

AEC 003 László, B. – Tóth, J. T.: On very porosity and spaces of generalized uniformly distributed sequences, Acad. Acta Paed. Agriensis, Sectio Mathematicae, vol. 28, (2001), p. 55–60, SCOPUS.
> **Ohlasy (1):**
> 2005 [1] Zajíček, L.: On sigma-porous sets in abstract spaces, Abstract and Applied Analysis, vol. 2005, no. 5, (2005), p. 509-534, WoS.

AEC 004 Filip, F. – Liptai, K. – Tóth, J. T.: On prime divisors of remarkable sequences, Annales Math. et Inf., vol. 33, (2006), p. 45 – 56, WoS.

AEC 005 Dineva, A. – Tar, K. J. – Várkonyi-Kóczy, A. R. – Tóth, J. T. – Piuri, V.: Non-conventional control design by sigmoid generated fixed point transformation using fuzzy approximation, Studies in Systems, Decision and Control, vol. 140, (2018), p. 1-15, DOI:10.1007/978-3-319-78437-3_1, WoS.

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (13)

AED 001 Tóth, J. T. – Zsilinszky, L.: It is not a big mistake to claim that t lim (x→a) g(f(x)) = lim (y→A) g(y) where A = lim(x→a) f(x), Acta Mathematica et Informatica, 1, Nitra (1992), p. 39-41.

AED 002 Šalát, T. – Bukor, J. – Tóth, J. T. – Zsilinszky, L.: Means of positive numbers and certain types of series, Acta Mathematica et Informatica, 1, Nitra (1992), p. 49-57.
> **Ohlasy (2):**
> 2006 [4] Csiba, P. - Filip, F.: Súlyozott közepek által definiált rekurzív sorozatokról: On certain sequences defined wit weighted means. Eruditio-Educatio, vol. 1, no. 3, (2006), p. 26.
> 2005 [1] Kostyrko, P. – Strauch, O.: Professor Tibor Šalát (1926-2005), Tatra Mountains Mathematical Publications: Density concepts with applications to the social sciences, vol. 31, (2005), p. 1-16, WoS.

AED 003 Bukor, J. – Tóth, J. T. – Zsilinszky, L.: On certain subsets of the space of all real sequences, Acta Mathematica et Informatica, 1, Nitra (1992), p. 33-37.

AED 004 Kostyrko, P. – Tóth, J. T.: On strict derivatives, Acta Mathemnatica et Informatica, 1, Nitra (1992), p. 27-31.

AED 005 Tóth, J. T. – Zsilinszky, L.: On the quotient of two arithmetical functions, Acta Mathematica et Informatica, 1, Nitra (1992), p. 59-64.

AED 006 Bukor, J. – Kmeťová, M. – Tóth, J. T.: Notes on ratio sets of sets of natural numbers, Acta Mathematica, 2, Nitra (1995), p. 35-40.

> **Ohlasy (3):**
> 2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.
> 2005 [3] Ganguly, D. K. - Bhattacharjee, R. - Dasgupta, M.: Some results on mid-point sets of sets of natural numbers, Vietnam Journal of Mathematics, vol. 33, no. 1, (2005), p. 89.
> 2000 [1] Šalát, T.: Remarks on Steinhaus´ property and ratio sets of sets of positive integers, Czechoslovak Mathematical Journal , vol. 50, no. 1, (2000), p. 175-183, WoS.

AED 007 Bukor, J. – László, B. – Tóth, J. T.: Notes on the function λ(n) - The minimal universal exponent of n, Acta Mathematica, 2, Nitra (1995), p. 29-34.

AED 008 Fulier, J. – Tóth, J. T.: On certain dense sets, Acta Mathematica, 2, Nitra (1995), p. 23-28.

> **Ohlasy (1):**
> 2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7.

AED 009 Tóth, J. T. – Zsilinszky, L.: On locally antisymmetric functions, Acta Mathematica, 2, Nitra (1995), p. 83-88.

AED 010 Tóth, J. T. – Zsilinszky, L.: On the spaces of non-negative functions having various properties of metric and pseudometric, Acta Mathematica, 2, Nitra (1995), p. 77-82.

AED 011 Fulier, J. – Tóth, J. T.: On metrics for which the convergence is equivalent with the pointwise convergence, Acta Mathematica, 3, Nitra (1998), p.61-66.

AED 012 Tóth, J. T.: Relation between (R)-density and the lower asymptotic density, Acta Mathematica, 3, Nitra (1998), p. 39-44.

AED 013 Bukor, J. – Tóth, J. T.: Egész számok bizonyos sorozatainak halmazának Baire kategóriájáról, Ab igne ignem: László Béla 75. születésnapjára, Fakulta stredoeurópskych štúdií UKF v Nitre, Nitra (2015), p. 13-17.

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (13)

AFC 001 Bukor, J. – Tóth, J. T.: On more rapid convergence to a density, Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae: Sect. Computatorica. Budapest, vol. 36, (2012), p. 99-102.

> **Ohlasy (1):**
> 2018 [1] Tryba, J.: Characterization of uniformly distributed sets and maximal density sets, Journal of number theory, vol. 187, (2018), p. 453-46, WoS.

AFC 002 Tusor, B. – Takács, M. – Várkonyi-Kóczy, A. R. – Tóth, J. T.: A fast fuzzy decision

tree for color filtering, WISP 2015: IEEE International Symposium on Intelligent Signal Processing.: IEEE, (2015), p. 1-6, DOI:10.1109/WISP.2015.7139160, WoS.

Ohlasy (2):

2020 [1] Priyanka – Kumar, Dharmender.: Decision tree classifier: A detailed survey, International Journal of Information and Decision Sciences, vol. 12, no. 3, (2020), p. 246-269, SCOPUS.

2016 [1] Altay, A. - Cinar, D.: Fuzzy Decision Trees, Fuzzy Statistical Decision-Making, Theory and Applications, vol. 343, (2016), p. 221-261, WoS.

AFC 003 Nagy, G. – Várkonyi-Kóczy, A. R. – Tóth, J. T.: An Anytime Voice Controlled Ambient Assisted Living System for motion disabled persons, 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 – Proceedings, art. no. 7145192, (2015), p. 163-168, DOI:10.1109/MeMeA.2015.7145192, WoS.

Ohlasy (9):

2024 [1] Kumar, Y.: A comprehensive analysis of speech recognition systems in healthcare: current research challenges and future prospects, SN computer science, vol. 5, no. 1, ISSN 2661-8907, SCOPUS.

2023 [1] Kai, Y. - Seki, Y. - Suzuki, R. - Kogawa, A. - Tanioka, R. - Osaka, K. - Zhao, Z. - Tanioka, T.: Evaluation of a remote-controlled drone system for bedridden patients using their eyes based on clinical experiment, Technologies, vol 11, no. 1, (2023), DOI 10.3390/technologies11010015, WoS.

2021 [1] Onda, Moeko – Kogawa, Atsunori – Kai, Yoshihiro – Hayama, Junko: A UAV system using an eye-tracking device for bedridden patients: consideration of control screens, Advances in Italian Mechanism Science, (2021), p. 599-607, DOI:10.1007/978-3-030-55807-9_67, SCOPUS.

2021 [1] Kogawa, A. - Onda, M. - Kai, Y. - et al.: Development of a Remote-Controlled Drone System by Using Only Eye Movements for Bedridden Patients, CISM International Centre for Mechanical Sciences, Courses and Lectures, vol. 601, (2021), p. 92-99, WoS.

2021 [1] Kogawa, A. - Onda, M. - Kai, Y.: Development of a Remote-Controlled Drone System by Using Only Eye Movements: Design of a Control Screen Considering Operability and Microsaccades, Journal of Robotics and Mechatronics, vol. 33, no. 2, (2021), p. 301-312, WoS.

2020 [1] Kai, Yoshihiro - Munir Hafiz Muhammad Umair - Onda Moeko - Adachi Yoshihito - Hayama Junko - Zhao Yueren - Tanioka, Tetsuya – Locsin, Rozzano – Takase, Kensaku – Dino, Michael Joseph S.: Evaluation of the Remote-controlled Drone System using an Eye-tracking device through the Internet for patients in bedridden conditions, Enfermeria Clinica, vol. 30, (2020), p. 18-22, DOI:10.1016/j.enfcli.2019.12.005, WoS.

2019 [1] Pande, Karan – Pradhan, Ashirbad – Nayak, Suraj Kumar – Patnaik, Pratyush Kumar – Champaty, Biswajeet – Anis, Arfat – Pal, Kunal: Development of a voice-controlled home automation system for the differently-abled, Bioelectronics and Medical Devices: From Materials to Devices - Fabrication, Applications and Reliability, (2019), p. 31-45, DOI:10.1016/B978-0-08-102420-1.00003-0, SCOPUS.

2019 [1] Fedinec, Csilla – Csernicsko, Istvan: The People of the "Five Hundred Villages": Hungarians, Rusyns, Jews, and the Roma in the Transcarpathian Region in Austria-Hungary, Language Diversity in the Late Habsburg Empire, (2019), p. 160-195, DOI:10.1163/9789004407978_010, WoS.

2018 [1] Adachi, Y. – Kai, Y. – Yuyama, T. – Hayama J.: A UAV system using an eye-tracking device for patient with limb disabilities: Design of its control screen, 57th annual conference of the society of instrument and control engineers of Japan (SICE), (2018), p. 854-859, WoS.

AFC 004 Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: Classification with fuzzy hypermatrices, Conference Record - IEEE Instrumentation and Measurement Technology Conference, art. no. 7520502, (2016), p. 990 – 995, WoS.

AFC 005 Várkonyi-Kóczy, A. R. – Tóth, J. T.: Improving color sensing by applying fuzzy information measurement based spectral power distribution filtering, 2016 IEEE International Symposium on Medical Measurements and Applications, art. no. 7533812, (2016), p. 1 - 6,

DOI:10.1109/MeMeA.2016.7533812, WoS.

AFC 006 Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: A Multi-attribute Classification Method to Solve the Problem of Dimensionality, Advances in Intelligent Systems and Computing, vol. 519, (2017), p. 403-409, DOI:10.1007/978-3-319-46490-9_54, WoS.

> **Ohlasy (1):**
>
> 2022 [1] Al-atar, Munqath- Sali, Attila: Approximate keys and functional dependencies in incomplete databases with limited domains, Foundations of Information and Knowledge Systems: International Symposium on Foundations of Information and Knowledge Systems, (2022), p. 147-167, DOI:10.1007/978-3-031-11321-5_9, WoS.

AFC 007 Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: Active problem workspace reduction with a fast fuzzy classifier for real-time applications, 2016 IEEE International Conference on Systems, Man, and Cybernetics, art. no. 7844927, (2016), p. 4423 – 4428, DOI:10.1109/SMC.2016.7844927, WoS.

> **Ohlasy (1):**
>
> 2019 [1] Ibarra, L. – Balderas, D. – Ponce, P. – Molina, A.: Fast execution of black-box algorithms through a piece-wise linear interpolation technique, Arabian Journal for Science and Engineering, vol. 44, no. 11, (2019), p. 9443-9453, WoS.

AFC 008 Tusor, B. – Simon-Nagy, G. – Tóth, J. T. – Várkonyi-Kóczy, A. R.: Personalized dietary assistant – An intelligent space application, INES 2017 – IEEE International Conference on Intelligent Engineering Systems, (2017), p. 27-32, DOI:10.1109/INES.2017.8118575, WoS.

> **Ohlasy (3):**
>
> 2022 [1] Zhou, Pengfei- Bai, Cong- Xia, Jie- Chen, Shenqyong: CMRDF: A Real-Time Food Alerting System Based on Multimodal Data, In IEEE Internet of Things Journal, vol 9(9), (2022), p. 6335-6349, DOI: 10.1109/JIOT.2020.2996009, WoS.
>
> 2020 [1] Zhou, Pengfei- Bai, Cong- Ying, Kaining- Xia, Jia- Huang, Lixin: RWMF: A real-world multimodal foodlog database, International Conference on Pattern Recognition, (2020), p. 962-968, DOI:10.1109/ICPR48806.2021.9412433, WoS.
>
> 2019 [1] Mulla, N. – Kurhade, S. – Naik, M. – Bakereywala, N.: An intelligent application for healthcare recommendation using fuzzy logic, Proceedings of the 3rd International Conference on Electronics and Communication and Aerospace Technology, (2019), p. 466-472, SCOPUS.

AFC 009 Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: Robust variable length data classification with extended sequential fuzzy indexing tables, I2MTC 2017 - *2017 IEEE International Instrumentation and Measurement Technology Conference*, art. no. 7969971, (2017), p. 1-6, DOI:10.1109/I2MTC.2017.7969971, WoS.

AFC 010 Tusor, B. – Várkonyi-Kóczy, A. R. – Tóth, J. T.: A fuzzy data structure for variable length data missing value classification, Advances in Intelligent Systems and Computing: Recent Advances in Technology Research and Education, (2018), p. 297-304, DOI:10.1007/978-3-319-67459-9_37, SCOPUS.

AFC 011 Tóth, J. T. – Tusor, B. – Várkonyi-Kóczy, A. R.: A fuzzy shape extraction method, Studies in Fuzziness and Soft Computing, vol. 361, (2018), p. 383-395, DOI:10.1007/978-3-319-75408-6_29, WoS.

AFC 012 Tóth, J. T. – Tusor, B.– Várkonyi-Kóczy, A. R.: Approximate Functional Dependency Mining with Sequential Indexing Tables, IEEE Joint CINTI-MACRo 2019 :

IEEE Joint 19th International Symposium on Computational Intelligence and Informatics and 7 th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, (2019), p. 119-124, DOI:10.1109/CINTI-MACRo49179.2019.9105179, WoS.

AFC 013 Gubo, Š. – Kmeť, T. – Tóth, J. T – Tusor, B.: Augmented Smart Refrigerator—An Intelligent Space Application. Engineering for Sustainable Future : Selected papers of the18. International Conference on Global Research and Education Inter -Academia, (2020), p. 171-178, DOI:10.1007/978-3-030-36841-8_17, WoS.

AFD - Publikované príspevky na domácich vedeckých konferenciách (9)

AFD 001 Fulier, J. – Tóth, J. T.: Funkcia definovaná na množine všetkých metrík, Acta Mathematica, 4, Nitra (2000), p. 105-110 [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

AFD 002 Tóth, J. T.: Najlepšie aproximácie v systéme Haara, Acta Mathematica, 4, Nitra (2000), p. 79-95. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

AFD 003 Komzsík, A. – Tóth, J. T.: O logaritmickej postupnosti, Acta Mathematica, 4, Nitra (2000), p. 155-167. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

AFD 004 Tóth, J. T. – Zsilinszky, L.: On a topology on the grid, Acta Mathematica, 4, Nitra (2000), p. 205-207. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

AFD 005 Filip, F. – Tóth, J. T.: On estimations of dispersions of certain dense block sequences, Tatra Mt. Math. Publ., vol. 31 (2), (2005), p. 65-74. [Density Concept: Workshop. Bratislava, 16.18.5.2004], WoS.
> **Ohlasy (7):**
> 2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, Annales mathematicae et informaticae, vol. 49, (2018), p. 55-60, WoS.
> 2015 [2] Strauch, O.: Distribution functions of ratio sequences. An expository paper, Tatra Mountains Mathematical Publications, vol. 64, no. 1, (2015), p. 133-185, SCOPUS.
> 2009 [4] Bukor, J.: Remarks on distribution functions of certain block sequences, Acta Mathematica 12, Nitra: UKF, (2009), p. 69.
> 2009 [2] Bukor, J. - Csiba, P.: On estimations of dispersion of ratio block sequences, Mathematica Slovaca, vol. 59, no. 3, (2009), p. 283-290, WoS.
> 2008 [2] Kijonka, V.: On calculation of generalized densities, Mathematica Slovaca, vol. 58., no. 2, (2008), p. 155-164, WoS .
> 2007 [4] Grekos, G. - Strauch, O.: Distribution functions of ratio sequences, II., Uniform Distribution Theory, vol. 2, no. 1, (2007), p. 77.
> 2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, (2005), p. 5-7, Electronic revised version January 18, 2018

AFD 006 Bukor, J. – Tóth, J. T.: An algebraic proof of the Steiner-Lehmus theorem, Zborník z I. medzinárodnej vedeckej konferencie Univerzity J.Selyeho - "Vzdelávanie – veda - spoločnosť". Komárno, (2009), p. 35-38. [I. medzinárodná vedecká konferencia Univerzity J. Selyeho v Komárne, 7. – 8. 9.2009] .

AFD 007 Tóth, J. T.: Štúdium v materinskom jazyku.: Štúdium jazyka a v jazyku národnostných menšín v SR, Univerzita v kontexte zmien: Zborník príspevkov z medzinárodnej vedeckej konferencie. Prešov: Vydavateľstvo Prešovskej univerzity, (2014), p. 103-122.

AFD 008 Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: A fuzzy hypermatrix-based skin color filtering method, INES 2015 - IEEE 19th International Conference on Intelligent Engineering Systems, art. no. 7329701 (2015), p. 173-178, DOI:10.1109/INES.2015. 7329701, WoS.

> **Ohlasy (1):**
> 2019 [1] Ibarra, L. – Balderas, D. – Ponce, P. – Molina, A.: Fast execution of black-box algorithms through a piece-wise linear interpolation technique, Arabian Journal for Science and Engineering, vol. 44, no. 11, (2019), p. 9443-9453, WoS.

AFD 009 Bukor, J. – Gubo, Š. – Kmeť, T. – Tusor, B. – Tóth, J. T. – Végh, L.: Building a Smart Refrigerator Using Affordable Smart Devices, Zborník 11. medzinárodnej vedeckej konferencie Univerzity J. Selyeho 2019 = A Selye János Egyetem 2019-es 11. Nemzetközi Tudományos Konferenciájának tanulmánykötete - "Döntéstámogató rendszerek, matematika és informatika" szekció: Sekcia "Systémy na podporu rozhodovania, matematika a informatika", (2019), p. 43-50.

AFH - Abstrakty príspevkov z domácich vedeckých konferencií (5)

AFH 001 Csiba, P. – Filip, F. – Tóth, J. T.: Convergence of sequences defined by means, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs´10, 2010, p. 21.

AFH 002 Mišík, L. – Tóth, J. T.: Measures and distribution of sets of positive integers, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs´10, 2010, p. 9.

AFH 003 Bukor, J. – Mišík, L. – Tóth, J. T.: On functions which preserve weighted density, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs´10, 2010, p. 20.

AFH 004 Bukor, J. – Mišík, L. – Tóth, J. T.: On mapping preserving universal fuzzy Measurabilit,. Abstracts of the Tenth International Conference on Fuzzy Set Theory and Applications, 2010, p. 41.

AFH 005 Filip, F. – Bukor, J. – Tóth, J. T.: On weighted densities, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs´10, 2010, p. 22.

BDE - Odborné práce v ostatných zahraničných časopisoch (1)

BDE 001 Tóth, J. T.: Egy számsorozat prímosztóiról (O prvočíselných deliteľoch členov istej postupnosti), Polygon, Szeged, vol. III (2), (1993), p. 78-80.

BDF - Odborné práce v ostatných domácich časopisoch (1)

BDF 001 Porubský, Š. – Baláž, V. – Misšík, L. – Tóth, J. T.: Septuagenarian Oto Strauch, Uniform Distribution Theory, vol. 9 (1), (2014).

BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

BED 001 Tóth, J. T.: O Gaussových binomických koeficientoch, Matematické obzory, vol. 39, (1993), p. 75-79.

BED 002 Balázs, Ľ. – Tóth, J. T.: Zovšeobecnenie jednej úlohy MO, Matematické obzory, vol. 39, (1993), p. 3-7.

III.   Knižné publikácie charakteru vedeckej monografie

ABB - Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách (1)

ABB 001 Tóth, J. T.: Teória R-hustých množín a jej aplikácie v školskej matematike, Prepracované vydanie, Eruditio – education, vol. 1 (3), 2006, p. 31-94.
>   **Ohlasy (1):**
>   2024 [4] Tóth, D.: Speciális halmazok maximális aszimptotikus sűrűségű részhalmazai = Subsets of special sets with maximum asymptotic density, 16th International Conference of J. Selye University: Sections of the Faculty of Economics and Informatics, (2024), p. 424-430, DOI 10.36007/5093.2024.424.

IV.   Ostatné knižné publikácie

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (3)

ACB 001 László, B. – Tóth, J. T.: Bevezetés a számelméletbe (Úvod do teórie čísel), Lilium Aurum, 1999, 93.

ACB 002 Bukor, J. – Csiba, P. – Filip, F. – Jaruska, L. – Tóth, J. T.: Függvények nemcsak felvételizőknek. 1. vyd. Komárno: Selye János Egyetem, 2012, 162.

ACB 003 Árki, Z. – Csiba, P. – Fehér, Z. – Tóth, J. T.: Összefoglaló feladatgyűjtemény matematikából nemcsak felvételizőknek (Súhrnná zbierka úloh z matematiky nielen pre uchádzačov), 2012, 140.

BCI - Skriptá a učebné texty (2)

BCI 001 László, B. – Bálint, L. – Kmeť, M. – Tóth, J. T. – Oláh, Gy: A matematika alapjai az alsótagozatos tanító szakos hallgatók részére (Základy matematiky pre študentov elementárnej pedagogiky), Univerzita Konštantína Filozofa v Nitre, Nitra, 2001.

BCI 002 László, B. – Bukor, J. – Tóth, J. T.: Polinomok, egyenletek, egyenletrendszerek (Polynómy, rovnice a sústavy rovníc), Univerzita Konštantína Filozofa v Nitre, Nitra, 2000.

FAI - Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy...) (4)

FAI 001 Csiba, P. – Juhász, Gy. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2014/2015: Ročenka Univerzity J. Selyeho 2014/2015, 1. vyd. Komárno: Univerzita J. Selyeho, (2015), 128.

FAI 002 Csiba, P. – Juhász, Gy. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2015/2016: Ročenka Univerzity J. Selyeho 2015/2016, 1. vyd. Komárno: Univerzita J. Selyeho, (2016), 151.

FAI 003 Bukor, J. – Juhász, Gy. – Liszka, J. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2016/2017: Ročenka Univerzity J. Selyeho 2016/2017, 1. vyd. Komárno: Univerzita J. Selyeho, (2017), 168.

FAI 004 Zakar, P. - Juhász, Gy. - Tóth, J. - Bukor, J. - Liszka, J.: Ročenka Univerzity J. Selyeho 2017/2018 A Selye János Egyetem Évkönyve 2017/2018, 1. vyd. Komárno: Selye János Egyetem, (2018), 204.

V. Ostatné - mimo kategórií

DAI - Dizertačné a habilitačné práce (2)

DAI 001 Tóth, J. T.: Teória (R) – hustých množín a jej aplikácie v školskej matematike, Nitra, 1997, Habilitačná práca (Docent, Doc.) – UKF, Nitra, 1997, 71.

DAI 002 Tóth, J. T. – Strauch, O.: Husto rozložené podielové postupnosti, Bratislava, 1997, Doktorandská dizertačná práca (PhD.) - Univerzita Komenského, Bratislava, 1997, 93.

EDJ - Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch (1)

EDJ 001 Fulier, J. – Tóth, J. T.: Niekoľko poznámok o rozvoji tvorivosti vo vyučovaní matematiky v príprave budúceho učiteľa na I. stupni ZŠ, Zborník Pedagogickej konferencie IV., Univerzita Konštantína Filozofa v Nitre (1999), p. 152-158. [Pedagogická konferencia 1999: vedecká konferencia s medzinárodnou účasťou. 4, Nitra, 21.10.1999].

V Komárne, dňa 24.03.2025