

Publikacje pracowników Katedry Matematyki w roku 2021

Dyscyplina: Matematyka

1. Banakh Iryna, **Banakh Taras**, Bardyla Serhii, *A semigroup is finite iff it is chain-finite and antichain-finite*, Axioms, 2021 Vol. 10 no. 1, s. [1-6], [poz.] 9
<https://doi.org/10.3390/axioms10010009>
2. **Banakh Taras**, *Any isometry between the spheres of absolutely smooth 2-dimensional Banach spaces is linear*, Journal of Mathematical Analysis and Applications, 2021 Vol. 500 Iss. 1, s. [1-27], [poz.] 125104
<https://doi.org/10.1016/j.jmaa.2021.125104>
3. **Banakh T. O.**, Gavrylkiv V. M., *Bases in finite groups of small order*, Carpathian Mathematical Publications, 2021 Vol. 13 No. 1, s. 149-159
<https://orcid.org/0000-0001-6710-4611>
4. **Banakh Taras**, Guran Igor, Ravsky Alex, *Each topological group embeds into a duoseparable topological group*, Topology and its Applications, 2021 Vol. 289, s. [1-10], [poz.] 107487
<https://doi.org/10.1016/j.topol.2020.107487>
5. **Banakh Taras**, Sánchez Javier Cabello, *Every non-smooth 2-dimensional Banach space has the Mazur-Ulam property*, Linear Algebra and its Applications, 2021 Vol. 625, s. 1-19
<https://doi.org/10.1016/j.laa.2021.04.020>
6. **Banakh Taras**, Guran Igor, Ravsky Alex, *Generalizing separability, precompactness and narrowness in topological groups*, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, 2021 Vol. 115 Iss. 1, s. [1-7], [poz.] 18
<https://doi.org/10.1007/s13398-020-00945-w>
7. **Banakh Taras**, Głab Szymon, Jabłońska Eliza, Swaczyna Jarosław, *Haar-I sets : looking at small sets in Polish groups through compact glasses*, Dissertationes Mathematicae, 2021 T. 564, s. 1-102
<https://doi.org/10.4064/dm812-2-2021>
8. **Banakh Taras**, Hryniv O., Hudym V., *G-deviations of polygons and their applications in electric power engineering*, Matematychni Studii, 2021 Vol. 55 No. 2, s. 188-200
<https://doi.org/10.30970/ms.55.2.188-200>
9. **Banakh Taras**, Gabrielyan S., *Locally Convex Properties of Baire Type Function Spaces*, Journal of Convex Analysis, 2021 Vol. 28 no. 3, s. 803-818
[Locally Convex Properties of Baire Type Function Spaces — Ben-Gurion University Research Portal \(bgu.ac.il\)](https://doi.org/10.1007/s13163-021-00397-9)
10. **Banakh Taras**, Kąkol Jerzy, Schürz Johannes Philipp, *ω^ω -Base and infinite-dimensional compact sets in locally convex spaces*, Revista Matemática Complutense, 2021, Vol. 35, s. 599–614
<https://doi.org/10.1007/s13163-021-00397-9>
11. **Banakh Taras**, *On κ -bounded and M -compact reflections of topological spaces*, Topology and its Applications, 2021 Vol. 289, s. [1-20], [poz.] 107547
<https://doi.org/10.1016/j.topol.2020.107547>

12. **Banakh Taras**, Ravsky A. V., *On pseudobounded and premeage paratopological groups*, *Matematychni Studii*, 2021 Vol. 56 No. 1, s. 20-27
<https://doi.org/10.30970/ms.56.1.20-27>
13. **Banakh Taras**, *Polish group containing a Haar null F_σ -subgroup that cannot be enlarged to a Haar null G_δ -set*, *Proceedings of the Conference Contemporary Mathematics in Kielce 2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021 s. 17-20*
<https://doi.org/10.2478/9788366675360-002>
14. **Banakh Taras**, *Selection properties of the split interval and the Continuum Hypothesis*, *Archive for Mathematical Logic*, 2021 Vol. 60 no. 1-2, s. 121-133
<https://doi.org/10.1007/s00153-020-00736-5>
15. **Banakh Iryna, Banakh Taras, Garbulińska-Węgrzyn Joanna**, *The completion of the hyperspace of finite subsets, endowed with the l^1 -metric*, *Colloquium Mathematicum*, 2021, Vol. 166, s.251-266
<https://doi.org/10.4064/cm8226-11-2020>
16. **Banakh Taras**, Spirito Dario, Turek Sławomir, *The Golomb space is topologically rigid*, *Commentationes Mathematicae Universitatis Carolinae*, 2021 Vol. 62 No. 3, s. 347-360
<https://doi.org/10.14712/1213-7243.2021.023>
17. **Banakh Taras**, Stelmakh Yaryna, Turek Sławomir, *The Kirch space is topologically rigid*, *Topology and its Applications*, 2021 Vol. 304, s. [1-16], [poz.] 107782
<https://doi.org/10.1016/j.topol.2021.107782>
18. **Banakh Taras**, Bardyla Serhii, Gutik Oleg, *The Lawson number of a semitopological semilattice*, *Semigroup Forum*, 2021, Vol. 103 s. 24-37
<https://doi.org/10.1007/s00233-021-10184-z>
19. **Banakh Taras**, Tkachenko Mikhail, *Weak completions of paratopological groups*, *Topology and its Applications*, 2021 Vol. 304, s. [1-9], [poz.] 107797
<https://doi.org/10.1016/j.topol.2021.107797>
20. **Bąk Judyta**, Kucharski Andrzej, *Topological spaces with the Freese-Nation property II*, *Topology and its Applications*, 2021 Vol. 304, s. [1-11], [poz.] 107784
<https://doi.org/10.1016/j.topol.2021.107784>
21. **Bobryk Roman V.**, *Stability analysis of a SIR epidemic model with random parametric perturbations*, *Chaos, Solitons and Fractals*, 2021 Vol. 143, s. [1-7], [poz.] 110552
<https://doi.org/10.1016/j.chaos.2020.110552>
22. **Bobryk Roman V.**, *Stochastic multiresonance in oscillators induced by bounded noise*, *Communications in Nonlinear Science and Numerical Simulation*, 2021 Vol. 93, s. [1-13], [poz.] 105460
<https://doi.org/10.1016/j.cnsns.2020.105460>
23. **Karlova Olena**, *A characterization of the uniform convergence points set of some convergent sequence of functions*, *Mathematica Slovaca*, 2021 Vol. 71 Iss. 2, s. 423-428
<https://doi.org/10.1515/ms-2017-0478>
24. **Masternak Mateusz**, *Newton diagrams and the geometric degree of a polynomial mapping of C^2* , *Proceedings of the Conference Contemporary Mathematics in*

- Kielce 2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021, s. 211-216
<https://doi.org/10.2478/9788366675360-015>
25. Charatonik Włodzimierz J., **Michalik Daria**, *Confluent projections and connectedness of inverse limits*, Rocky Mountain Journal of Mathematics, 2021 Vol. 51 no 4, s. 1189-1194
<https://doi.org/10.1216/rmj.2021.51.1189>
 26. Illanes Alejandro, Martínez-de-la-Vega Verónica, **Michalik Daria**, *Fans having unique cones*, Topology and its Applications, 2021 Vol. 301, s. [1-25], [poz.] 107511
<https://doi.org/10.1016/j.topol.2020.107511>
 27. Charatonik Włodzimierz J., **Michalik Daria**, *Mappings and spaces defined by the function epsilon*, Topology and its Applications, 2021 Vol. 300, s. [1-12], [poz.] 107741
<https://doi.org/10.1016/j.topol.2021.107741>
 28. **Mykhaylyuk Volodymyr**, Pol Roman, *On a problem of Talagrand concerning separately continuous functions*, Journal of the Institute of Mathematics of Jussieu, 2021 Vol. 20 Iss. 5, s. 1719-1728
<https://doi.org/10.1017/S1474748019000677>
 29. **Mykhaylyuk Volodymyr**, Pliev Marat, Popov Mikhail, *The lateral order on Riesz spaces and orthogonally additive operators*, Positivity, 2021 Vol. 25 no. 2, s. 291-327
<https://doi.org/10.1007/s11117-020-00761-x>
 30. **Nikitin Anatolii**, *Application of stochastic equations under nonclassical approximation schemes to construction and analysis of information struggle model*, Proceedings of the Conference Contemporary Mathematics in Kielce 2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021, s. 217-231
<https://doi.org/10.2478/9788366675360-016>
 31. Samoilenko Ihor, **Nikitin Anatolii**, Verovkina Ganna, Nikitina Tetiana, *Construction features and analysis of warfare information model with impulse perturbations under poisson approximation conditions*, CEUR workshop proceedings, 2021 Vol. 2923, s. 12-17
<http://ceur-ws.org/Vol-2923/paper2.pdf>
 32. Iksanov Alexander, **Nikitin Anatolii**, Samoilenko Igor, *Limit theorems for discounted convergent perpetuities*, Electronic Journal of Probability, 2021 Vol. 26, s. [1-25], [poz.] 131
<https://doi.org/10.1214/21-EJP705>
 33. Samoilenko I. V., **Nikitin A. V.**, Verovkina G. V., *Peculiarities of Construction and Analysis of the Information Warfare Model with Markov Switchings and Impulse Perturbations Under Levy Approximation Conditions*, Cybernetics and System Analysis, 2021 Vol. 57 no. 4, s. 621-628
<https://doi.org/10.1007/s10559-021-00387-1>
 34. **Nowak Magdalena**, *Peano continua with self regenerating fractals*, Topology and its Applications, 2021 Vol. 300, s. [1-13], [poz.] 107754
<https://doi.org/10.1016/j.topol.2021.107754>
 35. **Popławski Michał**, *The Baire category of the hyperspace of nontrivial convergent sequences*, Proceedings of the Conference Contemporary Mathematics in Kielce

2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021, s. 247-250

<https://doi.org/10.2478/9788366675360-018>

36. **Schiebold Cornelia**, *On the 2-soliton asymptotics for the $d \times d$ -matrix Korteweg-de Vries equation*, Proceedings of the Conference Contemporary Mathematics in Kielce 2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021, s. 259-274

<https://doi.org/10.2478/9788366675360-020>

37. **Walczak Szymon**,

Proceedings of the Conference Contemporary Mathematics in Kielce 2020 / ed. Szymon Walczak, Warszawa : Walter de Gruyter (Sciendo), 2021, 297 s.

<https://doi.org/10.2478/9788366675360>

Pozostałe publikacje pracowników Katedry

1. Pabjan Paweł, Brzdęk Michał, **Chrapek Magdalena**, Dziedzic Kacper, Stępień Piotr M., Paluch Katarzyna, Garbat Anna, Błoniarczyk Piotr, Reczko Katarzyna, Zarębska-Michaluk Dorota, *Genotype-specific versus pangenotypic regimens in patients infected with hepatitis C virus genotype 1b in real-world settings*, Polish Archives of Internal Medicine, 2021 Vol. 131 No. 11, s. [11], [poz.] 16094
<https://doi.org/10.20452/pamw.16094>
2. Hińcza-Nowak Kinga, Kowalik Artur, Walczyk Agnieszka, Pałyga Iwona, Gąsior-Perczak Danuta, Płusa Agnieszka, Kopczyński Janusz, **Chrapek Magdalena**, Gózdź Stanisław, Kowalska Aldona, *Immune profiling of medullary thyroid cancer: an opportunity for immunotherapy*, Genes, 2021 Vol. 12 Iss. 10, s. [1-12], [poz.] 1534
<https://doi.org/10.3390/genes12101534>
3. Gąsior-Perczak Danuta, Kowalik Artur, Gruszczyński Krzysztof, Walczyk Agnieszka, Siołek Monika, Pałyga Iwona, Trepka Sławomir, Mikina Estera, Trybek Tomasz, Kopczyński Janusz, Suligowska Agnieszka, Ślusarczyk Rafał, Gonet Agnieszka, Jaskulski Jarosław, Orłowski Paweł, **Chrapek Magdalena**, Gózdź Stanisław, Kowalska Aldona, *Incidence of the CHEK2 germline mutation and its impact on clinicopathological features, treatment responses, and disease course in patients with papillary thyroid carcinoma*, Cancers, 2021 Vol. 13 Iss. 3, s. [1-24], [poz.] 470
<https://doi.org/10.3390/cancers13030470>
4. Gajowiec Aleksandra, Chromik Anna, Furga Kinga, Skuza Alicja, Gąsior-Perczak Danuta, Walczyk Agnieszka, Pałyga Iwona, Trybek Tomasz, Mikina Estera, Szymonek Monika, Gadawska-Juszczak Klaudia, Kuchareczko Artur, Suligowska Agnieszka, Jaskulski Jarosław, Orłowski Paweł, **Chrapek Magdalena**, Gózdź Stanisław, Kowalska Aldona, *Is male sex a prognostic factor in papillary thyroid cancer?*, Journal of Clinical Medicine, 2021 Vol. 10 Iss. 11, s. [1-13], [poz.] 2438
<https://doi.org/10.3390/jcm10112438>
5. Gorczyca Iwona, Michalska Anna, **Chrapek Magdalena**, Jelonek Olga, Wałek Paweł, Wożakowska-Kapton Beata, *Non-vitamin K antagonist oral anticoagulants in patients with atrial fibrillation in secondary stroke and systemic embolism prevention*, Cardiology Journal, 2021 Vol. 28 No 6, s. 896-904
<https://doi.org/10.5603/CJ.a2019.0069>
6. Kamińska Wioletta, Mularczyk Mirosław, **Chrapek Magdalena**, Dubis Lidiya, Malska Marta, Nesterov Evgeny, *Perceived destination image of Poland : an analysis based on*

Ukrainian and Russian perceptions, Miscellanea Geographica - Regional Studies on Development, 2021 Vol. 25 No. 3, s. 169-180

<https://doi.org/10.2478/mgrsd-2020-0052>

7. Janion-Sadowska Agnieszka, Rostoff Paweł, Ząbczyk Michał, **Chrapek Magdalena**, Janion Marianna, Undas Anetta, *Right ventricular echocardiographic parameters associated with prothrombotic abnormalities in normotensive patients with acute pulmonary embolism*, International Journal of Cardiology, 2021 Vol. 333, s. 195-201
<https://doi.org/10.1016/j.ijcard.2021.02.087>
8. Kolczyńska-Przybycień Kinga, **Przybycień Hubert**, *Zastosowania prostych narzędzi informatycznych do wspomaganie rozwiązywania problemów, również całkiem niebanalnych w procesie kształcenia matematycznego*, Liczby w cyfrowym świecie : rozmowy o współczesnej edukacji matematycznej dziecka / red. nauk. Tomasz Przybyła, Poznań : Wydawnictwo Naukowe Uniwersytetu im. Adama Mickiewicza, 2021, s. 125-136