

Publikacje pracowników Katedry Matematyki w roku 2022

Dyscyplina: Matematyka

1. **Banakh Taras**, Bardyla Serhii, *Characterizing categorically closed commutative semigroups*, JOURNAL OF ALGEBRA, 2022, Vol. 591, s. 84-110
<https://doi.org/10.1016/j.jalgebra.2021.09.030>
2. **Banakh Taras**, *Every 2-dimensional Banach space has the Mazur-Ulam property*, LINEAR ALGEBRA AND ITS APPLICATIONS, 2022, Vol. 632, s. 268-280
<https://doi.org/10.1016/j.laa.2021.09.020>
3. **Banakh Taras**, Bonnet Robert, Kubiś Wiesław, *Vietoris hyperspaces over scattered Priestley spaces*, ISRAEL JOURNAL OF MATHEMATICS, 2022, Vol. 249, 37–81
<https://doi.org/10.1007/s11856-022-2307-5>
4. **Banakh Taras**, Stelmakh Yaryna, *A universal coregular countable second-countable space*, TOPOLOGY AND ITS APPLICATIONS, 2022, Vol. 309, s. [1-23], [poz.] 107909
<https://doi.org/10.1016/j.topol.2021.107909>
5. **Banakh Taras**, Kadets Vladimir, *Banach actions preserving unconditional convergence*, Axioms, 2022, Vol. 11 no. 1, s. [1-9], [poz.] 13
<https://doi.org/10.3390/axioms11010013>
6. **Banakh Taras**, Gabrielyan S., *Banach spaces with the (strong) Gelfand-Phillips property*, Banach Journal of Mathematical Analysis, 2022, Vol. 16 Iss. 2, s. [1-14], [poz.] 24
<https://doi.org/10.1007/s43037-022-00179-5>
7. **Banakh Taras**, Ravsky A., *Bounds on the extent of a topological space*, Matematychni Studii, 2022 Vol. 57 Iss. 1, s. 62-67
<https://doi.org/10.30970/ms.57.1.62-67>
8. **Banakh Taras**, Brian Will, Ríos Herrejón Alejandro, *First-countable Lindelöf scattered spaces*, TOPOLOGY AND ITS APPLICATIONS, 2022, Vol. 322, s. [1-29], [poz.] 108318
<https://doi.org/10.1016/j.topol.2022.108318>
9. **Banakh Taras**, Banakh Iryna, *On the asymptotic dimension of products of coarse spaces*, TOPOLOGY AND ITS APPLICATIONS, 2022, Vol. 311, s. [1-8], [poz.] 107953
<https://doi.org/10.1016/j.topol.2021.107953>
10. **Banakh Taras**, Ravsky A., *On unconditionally convergent series in topological rings*, Carpathian Mathematical Publications, 2022, Vol. 14 No. 1, s. 266-288
<https://doi.org/10.15330/cmp.14.1.266-288>
11. **Banakh Taras**, Banakh Iryna, Jabłońska Eliza, *Products of K -analytic sets in locally compact groups and Kuczma-Ger classes*, Axioms, 2022, Vol. 11 Iss. 2, s. [1-6], [poz.] 65
<https://doi.org/10.3390/axioms11020065>
12. **Banakh Taras**, Vovk Myroslava, *Categorically closed unipotent semigroups*, Axioms, 2022. Vol. 11 no. 12, s. [1-8], [poz.] 682
<https://doi.org/10.3390/axioms11120682>
13. **Karlova Olena**, Balcerzak Marek, Szuca Piotr, *Equi-Baire 1 families of functions*, TOPOLOGY AND ITS APPLICATIONS, 2022, Vol 305, s. [1-13], [poz.] 107900
<https://doi.org/10.1016/j.topol.2021.107900>

14. **Łysik Grzegorz**, *On a polygonal mean value property*, *Aequationes Mathematicae*, 2022, Vol. 96 s. 1249–1258
<https://doi.org/10.1007/s00010-022-00882-6>
15. **Masternak Mateusz**, Lenarcik Andrzej, *Effective proof of Gusein-Zade theorem that branches may be deformed with jump one*, w: *Analytic and Algebraic Geometry*, Wydawnictwo Uniwersytetu Łódzkiego, 2022, T4, s. 95-119.
<https://doi.org/10.18778/8331-092-3.09>
16. **Michalik Daria**, *The uniqueness of suspensions over locally connected curves*, *TOPOLOGY AND ITS APPLICATIONS*, 2022 Vol. 306, s. [1-7], [poz.] 107933
<https://doi.org/10.1016/j.topol.2021.107933>
17. **Michalik Daria**, Illanes Alejandro, Martínez-de-la-Vega Verónica, *The uniqueness of cones over locally connected curves*, *TOPOLOGY AND ITS APPLICATIONS*, 2022, Vol. 320, s. [1-9], [poz.] 108242
<https://doi.org/10.1016/j.topol.2022.108242>
18. **Michalik Daria**, Charatonik Włodzimierz J., *Properties of multi-valued functions*, *Topology Proceedings*, 2022, Vol. 60, s. 45-57
<http://topology.nipissingu.ca/tp/reprints/v60/tp60004p1.pdf>
19. **Mykhailiuk Volodymir**, Moronyk Vadym, *Metrizability of partial metric spaces*, *TOPOLOGY AND ITS APPLICATIONS*, 2022, Vol. 308, s. [1-13], [poz.] 107949
<https://doi.org/10.1016/j.topol.2021.107949>
20. **Mykhailiuk Volodymir**, Kozlovskiy Mykola, *Separately continuous functions with a given rectangular set of points of discontinuity*, *European Journal of Mathematics*, 2022, Vol. 8, s. 330-345
<https://doi.org/10.1007/s40879-022-00549-1>
21. **Mykhailiuk Volodymir**, Popov M., *ε -Shading operator on Riesz spaces and order continuity of orthogonally additive operators*, *Results Math.* 2022, Vol. 77 Iss. 5, s. [1-30], [poz.] 209
<https://doi.org/10.1007/s00025-022-01742-0>
22. Bekesiene Svajone, Samoilenko Igor, **Nikitin Anatolij**, Meidute-Kavaliauskiene Ieva, *The complex systems for conflict interaction modelling to describe a non-trivial epidemiological situation*, *Mathematics*, 2022, Vol. 10 Iss. 4, s. [1-24], [poz.] 537
<https://doi.org/10.3390/math10040537>
23. Samoilenko Igor, Salo Nazar, **Nikitin Anatolii**, Samoilenko Tetiana, Kravets Oleg, *Peculiarities of construction and analysis of a complex epidemiological susceptible-infected-removed model*, *Challenges to National Defence in Contemporary Geopolitical Situation*, 2022, Vol. 2022 Iss. 1, s. 175-185, [poz.] 186012
<https://doi.org/10.47459/cndcgs.2022.22>
24. **Popławski Michał**, Balcerzak Marek, Nowakowski Piotr, *Cutting sets of continuous functions on the unit interval*, *INDAGATIONES MATHEMATICAE-NEW SERIES*, 2022, Vol. 33 Iss. 3, s. 625-635
<https://doi.org/10.1016/j.indag.2021.12.006>
25. **Przybycień Hubert**, Grzybowski Jerzy, *Order cancellation law in a semigroup of closed convex sets*, *Taiwanese Journal of Mathematics*, 2022, Vol. 26 Iss. 6, s. 1281-1302
<https://doi.org/10.11650/tjm/220603>
26. **Walczak Szymon**, *General metric spaces warped along submetry*, *TOPOLOGY AND ITS APPLICATIONS*, 2022, Vol. 315, s. [1-11], [poz.] 108149

<https://doi.org/10.1016/j.topol.2022.108149>

27. **Walczak Szymon**, Nesteruk Igor, Rodionov Oleksii, *Comparative and statistical analysis of the COVID-19 pandemic dynamics*, 2022 IEEE 41st International Conference on Electronics and Nanotechnology, Elnano 2022 : Proceedings, 2022 IEEE, s. 379-384, [poz.] 184036.

<https://doi.org/10.1109/ELNANO54667.2022.9927116>

Pozostałe publikacje:

1. Kuchareczko Artur, Kopczyński Janusz, Kowalik Artur, Hińcza-Nowak Kinga, Walczyk Agnieszka, Pałyga Iwona, Trybek Tomasz, Szymonek Monika, Gąsior-Perczak Danuta, Gadawska-Juszczak Klaudia, Mikina Estera, Płachta Izabela, Suligowska Agnieszka, Płusa Agnieszka, **Chrapek Magdalena**, Łopatyński Tomasz, Gózdź Stanisław, Kowalska Aldona, *A Significance of Concomitant BRAF^{V600E} and TERT Mutations in Polish Patients with Papillary Thyroid Microcarcinoma : A Retrospective Cohort Study Based on 430 Cases*, Thyroid, 2022, Vol. 32 Iss. 11, s. 1372-1381
<https://doi.org/10.1089/thy.2022.0155>
2. Pabjan Paweł, Brzdęk Michał, **Chrapek Magdalena**, Dziedzic Kacper, Dobrowolska Krystyna, Paluch Katarzyna, Garbat Anna, Błoniarczyk Piotr, Reczko Katarzyna, Stępień Piotr, Zarębska-Michaluk Dorota, *Are There Still Difficult-to-Treat Patients with Chronic Hepatitis C in the Era of Direct-Acting Antivirals?* Viruses – Basel, 2022, Vol. 14 no. 1, s. [1-19], [poz.] 96
<https://doi.org/10.3390/v14010096>
3. Gorczyca-Głowacka Iwona, Bielecka Bernardetta, Wałek Paweł, **Chrapek Magdalena**, Ciba-Stemplewska Agnieszka, Jelonek Olga, Kot Anna, Czyżyk Anna, Pióro Maciej, Major Agnieszka, Wożakowska-Kapton Beata, *Temporal Trends in Oral Anticoagulant Prescription in Atrial Fibrillation Patients between 2004 and 2019*, International Journal of Environmental Research and Public Health, 2022 Vol. 19 Iss. 9, s. [1-11], [poz.] 5584
<https://doi.org/10.3390/ijerph19095584>