

Списък с цитиранията за участие в конкурса

на доц. д-р Йорг Копиц

за участие в конкурс за професор

в област на висше образование: 4. Природни науки, математика и информатика, професионално направление: 4.5. Математика, научна специалност „Алгебра (Полугрупи от преобразувания)”

обявен в Държавен вестник № 84 от 21.10.2022 г.

1) Koppitz J., T. Musunthia. The rank of the inverse semigroup of partial automorphisms on a finite fence. Semigroup Forum, 102, 2, Springer, 2021, ISSN:0037-1912, DOI:<https://doi.org/10.1007/s00233-020-10150-1>, 437-455. In:

Thanakorn Prinyasart, Ratana Srithus and Jirapa Nuntharakul, Various regularities for semigroups of transformations on a finite set determined by a zig-zag order, Asian-European Journal of Mathematics Vol. 15, No. 04, 2250208 (2022).

2) Dimitrova I., V. H. Fernandes, J. Koppitz, T. M Quinteiro. Ranks of Monoids of Endomorphisms of a Finite Undirected Path. Bulletin of the Malaysian Mathematical Sciences Society, 43, 2, Springer, 2020, ISSN:0126-6705, DOI:<https://doi.org/10.1007/s40840-019-00762-4>, 1623-1645. In:

Rui Cu and Hailong Ho, Unicyclic Graphs Whose Completely Regular Endomorphisms form a Monoid, Mathematics 2020, 8(2), DOI: 10.3390/math8020240.

3) Zhuchok A.V., Yu.V. Zhuchok, J. Koppitz. Free rectangular doppelsemigroups. Journal of Algebra and Its Applications, 19, 11, World Scientific Publishing Company, 2020, ISSN:0219-4988, DOI:doi.org/10.1142/S0219498820502059. In:

Movsisyan, Y.M., Yolchyan, M.A., A Generalization of the Artin Theorem, Journal of Contemporary Mathematical Analysis 56(2), pp. 104-111.

4) Zhuchok A.V., Yu.V. Zhuchok, J. Koppitz. Free rectangular doppelsemigroups. Journal of Algebra and Its Applications, 19, 11, World Scientific Publishing Company, 2020, ISSN:0219-4988, DOI:doi.org/10.1142/S0219498820502059. In:

Movsisyan, Yu.; Gevorgyan, A. Invertible algebras satisfying associative identities with functional variables. Asian-Eur. J. Math. vol. 14(1), Article 2050155, 2021.

5) Zhuchok A.V., Yu.V. Zhuchok, J. Koppitz. Free rectangular doppelsemigroups. Journal of Algebra and Its Applications, 19, 11, World Scientific Publishing Company, 2020, ISSN:0219-4988, DOI:doi.org/10.1142/S0219498820502059. In:

Yu. M. Movsisyan and M. A. Yolchyan, Cayley-type theorems for g-dimonoids Armenian Journal of Mathematics Volume 12, Number 3, 2020, 1–14.

6) Fernandes V., J. Koppitz, T. Musunthia. The Rank of the Semigroup of All Order Preserving Transformations on a Finite Fence. Bulletin of the Malaysian Mathematical Sciences Society, 42, 5, Springer, 2019, ISSN:0126-6705, DOI:10.1007/s40840-017-0598-1, 2191-2211. In:

Thanakorn Prinyasart, Ratana Srithus and Jirapa Nuntharatkul, Various regularities for semigroups of transformations on a finite set determined by a zig-zag order, Asian-European Journal of Mathematics Vol. 15, No. 04, 2250208 (2022).

7) Fernandes V., J. Koppitz, T. Musunthia. The Rank of the Semigroup of All Order Preserving Transformations on a Finite Fence. Bulletin of the Malaysian Mathematical Sciences Society, 42, 5, Springer, 2019, ISSN:0126-6705, DOI:10.1007/s40840-017-0598-1, 2191-2211. In:

Srithus, Ratana; Chinram, Ronnason; Khongthat, Chompunutch Regularity in the semigroup of transformations preserving a zig-zag order. Bull. Malays. Math. Sci. Soc. (2) 43, No. 2, 1761-1773 (2020).

8) Phusanga, D., Koppitz, J. The semigroup of linear terms. Asian-European Journal of Mathematics, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

Pongsakorn Kitpratyakul, Bundit Pibajommee, On substructures of semigroups of inductive terms, AIMS Mathematics 7(6) (2022), 9835-9845.

9) Phusanga, D., Koppitz, J. The semigroup of linear terms. Asian-European Journal of Mathematics, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

Kumduang, T., Leeratanavalee, S., Semigroups of Terms, Tree Languages, Menger Algebra of n-Ary Functions and Their Embedding Theorems, Symmetry, Vol. 13(4), paper no. 558, 2021.

10) Phusanga, D., Koppitz, J. The semigroup of linear terms. Asian-European Journal of Mathematics, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

Kumduang, T., Wattanatripop, K., Changphas, T., Tree languages with fixed variables and their algebraic structures, *International Journal of Mathematics and Computer Science*, 16(4), 1683–1696, 2021.

11) Phusanga, D., Koppitz, J. The semigroup of linear terms. *Asian-European Journal of Mathematics*, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

Nareupanat Lekkoksung and Somsak Lekkoksung, ON PARTIAL CLONES OF k -TERMS, *Discussiones Mathematicae - General Algebra and Applications* 41 (2021), 361–379.

12) Phusanga, D., Koppitz, J. The semigroup of linear terms. *Asian-European Journal of Mathematics*, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

Sarawut Phuapong and Thodsaporn Kumduang, Menger algebras of terms induced by transformations with restricted range, *Quasigroups and Related Systems* 29 (2021), 255 – 268.

13) Phusanga, D., Koppitz, J. The semigroup of linear terms. *Asian-European Journal of Mathematics*, 12, 7, World Scientific Publishing Company, 2019, ISSN:1793-5571, 2050005. In:

6.6 Wattanatripop, K., Changphas, T., The length of terms and their measurement, *International Journal of Mathematics and Computer Science* 16(4), pp. 1103-1116.

14) Worawiset S., Koppitz, J., S. Chotchaisthit. The Class of All Semigroups Related to Semihypergroups of Order 2. *Mathematica Slovaca*, 69, 2, De Gruyter, 2019, ISSN:1337-2211, DOI:10.1515/ms-2017-0229, 371-380. In:

A. Rezaei, F. Smarandache , and S. Mirvakili, Applications of (Neutro/Anti)sophications to Semihypergroups, *Hindawi, Journal of Mathematics*, Volume 2021, Article ID 6649349, 7 pages.

15) Zhuchok Y., J. Koppitz. Representations of ordered doppelsemigroups by binary relations. *Algebra and Discrete Mathematics*, 27, 1, Institute of Applied Mathematics And Mechanics of the National Academy of Sciences of Ukraine, 2019, ISSN:1726-3255, 144-154. In:

Interassociativity and three-element doppelsemigroups, Volodymyr Gavrylkiv and Diana Rendziak, *Algebra and Discrete Mathematics*, Volume 28 (2019). Number 2, pp. 224–247.

16) Anantayasethi, A., Koppitz, J. Relations on a Semigroup of Sets of Transformations with Restricted Range. Comptes rendus de l'Académie bulgare des Sciences, 70, 12, Proceedings of BAS, 2017, ISSN:1310–1331, 1621-1626.

Nurten Urlu Özalan, A. Sinan Çevik and Eylem Güzel Karpuz, A new semigroup obtained via known ones, Asian-European Journal of Mathematics Vol. 12, No. 06, 2040008 (2019).

17) Dimitrova, I, Koppitz, J, Lohapan, L. Generating Sets of Semigroups of Partial Transformations Preserving a Zig-Zag Order on N. International Journal of Pure and Applied Mathematics, 117, 2, Sofia: Academic Publications, 2017, ISSN:1311-8080, DOI:10.12732/ijpam.v117i2.4, 279-289. In:

Prinyasart, Ratana Srithus and Jirapa Nuntharakul, Various regularities for semigroups of transformations on a finite set determined by a zig-zag order, Asian-European Journal of Mathematics Vol. 15, No. 04, 2250208 (2022).

18) Lohapan, L., Koppitz, J.. Regular Semigroups of Partial Transformations Preserving a Fence. Novi Sad Journal of Mathematics (NSJOM), 47, 2, Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, Serbia, 2017, ISSN:450-5444, 77-91. In:

Thanakorn Prinyasart, Ratana Srithus and Jirapa Nuntharakul, Various regularities for semigroups of transformations on a finite set determined by a zig-zag order, Asian-European Journal of Mathematics Vol. 15, No. 04, 2250208 (2022).

19) Lohapan, L., Koppitz, J.. Regular Semigroups of Partial Transformations Preserving a Fence. Novi Sad Journal of Mathematics (NSJOM), 47, 2, Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, Serbia, 2017, ISSN:450-5444, 77-91. In:

Srithus, Ratana; Chinram, Ronnason; Khongthat, Chompunutch, Regularity in the semigroup of transformations preserving a zig-zag order. Bull. Malays. Math. Sci. Soc. 43 (2020), no. 2, 1761–1773.

20) Koppitz, J., Tinpun, K. Relative rank of the finite full transformation semigroup with restricted range. Acta Mathematica Universitatis Comenianae, 85, 2, 2016, ISSN:02316986, 347-356. In:

Sommanee, Worachead The regular part of a semigroup of full transformations with restricted range: maximal inverse subsemigroups and maximal regular subsemigroups of its ideals. Int. J. Math. Math. Sci. 2018, Article ID 2154745, 9 p. (2018).

21) Anantayasethi, Ananya, Koppitz, Jörg. On a semigroup of sets of transformations with restricted range. Thai J. Math., 14, 3, 2016, ISSN:1686-0209, 667-676. In:

Chinram, Ronnason; Baupradist, Samruam Magnifying elements in a semigroup of transformations with restricted range. Missouri J. Math. Sci. 30, No. 1, 54-58 (2018).

22) Slavcho Shtrakov, Jörg Koppitz. Stable varieties of semigroups and groupoids. Algebra Universalis, 75, 1, Springer International Publishing, 2016, ISSN:0002-5240, DOI:10.1007/s00012-015-0359-7, 85-106. In:

Khwancheewa Wattanatirpop, Thodsaporn Kumduang, Sorasak Leeratanavalee, Thawhat Changphas, Power Menger algebra of terms induced by order-decreasing transformations and superpositions, International Journal of Mathematics and Computer Science, 16(2021), no. 4, 1697–1707.

23) Koppitz, Jörg, Musunthia, Tiwadee. Maximal subsemigroups containing a particular semigroup. Mathematica Slovaca, 64, 6, 2014, ISSN:01399918, 1369-1380. In:

Donoven, C. R., Mitchell, J. D.; Wilson, W. A. Computing maximal subsemigroups of a finite semigroup. J. Algebra 505, 559-596 (2018). Donoven, C. R., Mitchell, J. D.; Wilson, W. A. Computing maximal subsemigroups of a finite semigroup. J. Algebra 505, 559-596 (2018).

24) Dimitrova, Ilinka, Koppitz, Jörg, Fernandes, Vitor. The maximal subsemigroups of semigroups of transformations preserving or reversing the orientation on a finite chain. Publicationes Mathematicae Debrecen, 81, 1-2, 2012, ISSN:0033 - 3883, 11-29. In:

Zhao, Ping; Hu, Huabi Locally maximal regular subsemibands of the finite transformation semigroups $T(n,r)$. Semigroup Forum 98 (2019), no. 1, 172–183.

25) Dimitrova, Ilinka, Koppitz, Jörg, Fernandes, Vitor. The maximal subsemigroups of semigroups of transformations preserving or reversing the orientation on a finite chain. Publicationes Mathematicae Debrecen, 81, 1-2, 2012, ISSN:0033 - 3883, 11-29. In:

Donoven, C. R.; Mitchell, J. D.; Wilson, W. A. Computing maximal subsemigroups of a finite semigroup. J. Algebra 505, 559-596 (2018).

26) Dimitrova, Ilinka, Koppitz, Jörg, Fernandes, Vitor. The maximal subsemigroups of semigroups of transformations preserving or reversing the orientation on a finite chain. Publicationes Mathematicae Debrecen, 81, 1-2, 2012, ISSN:0033 - 3883, 11-29 In:

East, James; Kumar, Jitender; Mitchell, James D.; Wilson, Wilf A. Maximal subsemigroups of finite transformation and diagram monoids. J. Algebra 504, 176-216 (2018).