Príloha č. 1

Organizácia a jej adresa:   
Matematický ústav Slovenskej akadémie vied, v.v.i., Štefánikova 49, 814 73 Bratislava

# N á v r h

**Na priznanie vedeckého kvalifikačného stupňa IIa**

Meno a priezvisko, rodné priezvisko, rok narodenia: **Michal Hospodár, Hospodár, 1991**

Tituly a vedecké hodnosti (plným označením a uvedením odboru), miesto a rok ich získania:

**PhD. – Aplikovaná matematika, Univerzita Komenského v Bratislave, Fakulta matematiky, fyziky a informatiky, 22.8.2019**

Vysokoškolské vzdelanie (druh školy, dátum skončenia):

**Ing. – Informatika, Technická univerzita v Košiciach, Fakulta elektrotechniky a informatiky, 6.6.2014**

**Bc. – Informatika, Technická univerzita v Košiciach, Fakulta elektrotechniky a informatiky, 20.6.2012**

Udelené štátne vyznamenania a ceny:

Prehľad doterajšej praxe (od – do, organizácie, funkcie):

**od 2.9.2019 doteraz – Matematický ústav SAV, vedecký pracovník**

Celkový počet rokov praxe v odbore po skončení štúdia: **4** Z toho počet rokov výskumnej činnosti: **4**

Terajšie funkčné zaradenie: **vedecký pracovník**

Koľko pracovníkov odborne vedie a ich kvalifikácia: **som konzultant dizertačnej práce Mgr. Viktora Olejára**

Vyhlasujem, že údaje v návrhu sú správne. (Vlastnoručný podpis navrhovaného):

Návrh bol prerokovaný vo vedeckej rade organizácie dňa:

So záverom:

Dátum: Pečiatka Podpis vedúceho organizácie:

Prílohy: a) Stručný životopis

1. Hodnotenie navrhovaného
2. Zoznam prác
3. Zoznam citácií
4. Publikácie, separáty a iné doklady

**Životopis**

**Vzdelanie:**

September 2015 – August 2019 (PhD.)

Fakulta matematiky, fyziky a informatiky, Univerzita Komenského  
v spolupráci s Matematickým ústavom SAV  
Školiteľka PhD. práce: Galina Jirásková

September 2009 – Jún 2014 (Bc., Ing.)

Fakulta elektrotechniky a informatiky, Technická univerzita v Košiciach   
Školiteľ Bc. práce: William Steingartner  
Školiteľka Ing. práce: Valerie Novitzká

**Pracovné skúsenosti:**

September 2019 – súčasnosť

Matematický ústav SAV, vedecký pracovník

Február 2018 – August 2019

spoluorganizovanie konferencií NCMA 2018, DCFS 2019, CIAA 2019 na MÚ SAV

September 2017 – Január 2018

DAAD výskumný pobyt na univerzite v Giessen (Nemecko), supervízor: Markus Holzer

**Ocenenia:**

2004: víťaz celoslovenského kola Pytagoriády  
2010: prospechové štipendium na FEI TU v Košiciach

2021: delené 2.-3. miesto v súťaži o Cenu akademika Štefana Schwarza

**Jazykové znalosti:**

angličtina – C1

nemčina – B2

esperanto – B2

**Osobné a kontaktné informácie**

Dátum a miesto narodenia: 7. marec 1991, Poprad  
Národnosť: slovenská

Trvalý pobyt: Bernolákova 2, 040 11 Košice

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E-mail: [hosmich@gmail.com](mailto:hosmich@gmail.com)

V Košiciach, 28. septembra 2023 Ing. Michal Hospodár, PhD.

**Zoznam prác**

A) Články v časopisoch (ADCA)

1. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina. The complexity of concatenation on deterministic and alternating finite automata. In **RAIRO : Theoretical Informatics and Applications**, 2018, vol. 52, no. 2-4, p. 153-168. ISSN 0988-3754. Dostupné na: <https://doi.org/10.1051/ita/2018011>
2. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Nondeterministic complexity in subclasses of convex languages. In **Theoretical Computer Science**, 2019, vol. 787, p. 89-110. ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2018.12.027>
3. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Descriptional complexity of the forever operator. In **International Journal of Foundations of Computer Science**, 2019, vol. 30, no. 1, p. 115-134. ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S0129054119400069>
4. HOSPODÁR, Michal - HOLZER, Markus. The ranges of accepting state complexities of languages resulting from some operations. In **International Journal of Foundations of Computer Science**, 2020, vol. 31, no. 8, p. 1159-1177. ISSN 0129-0541. Dostupné na: <https://doi.org/10.1142/S0129054120420083>
5. HOSPODÁR, Michal. Power, positive closure, and quotients on convex languages. In **Theoretical Computer Science**, 2021, vol. 870, p. 53-74. ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2021.02.002>
6. HOSPODÁR, Michal - OLEJÁR, Viktor. The cut operation in subclasses of convex languages. In **Theoretical Computer Science**, 2023, vol. 969, art. nr. 114050. ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2023.114050
7. HOSPODÁR, Michal - OLEJÁR, Viktor. Nondeterministic operational complexity in subregular languages. In **Theoretical Computer Science**, 2023, vol. 972, art. nr. 114075. ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2023.114075>

B) Články v zborníkoch série LNCS (Lecture Notes in Computer Science, Springer, ISSN 0302-9743), ktoré **nemajú** rozšírenú verziu v časopise (ADMB)

1. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. A survey on fooling sets as effective tools for lower bounds on nondeterministic complexity. In **Adventures Between Lower Bounds and Higher Altitudes, 2018**. LNCS, vol. 11011, p. 17-32. Dostupné na: <https://doi.org/10.1007/978-3-319-98355-4_2>
2. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, Ivana. Operations on Boolean and alternating finite automata. In **Computer Science - Theory and Applications, CSR 2018**. LNCS, vol. 10846, p. 181-193. Dostupné na: <https://doi.org/10.1007/978-3-319-90530-3_16>
3. DAVIES, Sylvie - HOSPODÁR, Michal. Square, power, positive closure, and complementation on star-free languages. In **Descriptional Complexity of Formal Systems, DCFS 2019**. LNCS, vol. 11612, p. 98-110. Dostupné na: <https://doi.org/10.1007/978-3-030-23247-4_7>
4. HOLZER, Markus - HOSPODÁR, Michal. The range of state complexities of languages resulting from the cut operation. In **Language and Automata Theory and Applications, LATA 2019**. LNCS, vol. 11417, p. 190-202. Dostupné na: <https://doi.org/10.1007/978-3-030-13435-8_14>
5. HOSPODÁR, Michal - MLYNÁRČIK, Peter. Operations on permutation automata. In **Developments in Language Theory, DLT 2020**. LNCS, vol. 12086, p. 122-136. Dostupné na: <https://doi.org/10.1007/978-3-030-48516-0_10>
6. HOSPODÁR, Michal - JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina - ŠEBEJ, Juraj. Operational Complexity: NFA-to-DFA Trade-Off. In **Descriptional Complexity of Formal Systems, DCFS 2023**. LNCS, vol. 13918, p. 79-93. Dostupné na: https://doi.org/10.1007/978-3-031-34326-1\_6
7. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina. Operational Complexity in Subregular Classes. In **Implementation and Application of Automata, CIAA 2023**. LNCS, vol. 14151, p. 153-165. Dostupné na: https://doi.org/10.1007/978-3-031-40247-0\_11

C) Články v zborníkoch série LNCS, ktoré **majú** rozšírenú verziu v časopise uvedenú v bode A) (ADMB)

1. Michal Hospodár, [Galina Jirásková](https://dblp.org/pid/j/GJiraskova.html), [Peter Mlynárcik](https://dblp.org/pid/146/0422.html): **Nondeterministic Complexity of Operations on Closed and Ideal Languages.** [CIAA 2016](https://dblp.org/db/conf/wia/ciaa2016.html#HospodarJM16): 125-137 (rozšírená verzia je bod 2)
2. Michal Hospodár, [Galina Jirásková](https://dblp.org/pid/j/GJiraskova.html), [Peter Mlynárčik](https://dblp.org/pid/146/0422.html): **Nondeterministic Complexity of Operations on Free and Convex Languages.** [CIAA 2017](https://dblp.org/db/conf/wia/ciaa2017.html#HospodarJM17): 138-150 (rozšírená verzia je bod 2)
3. Michal Hospodár, [Galina Jirásková](https://dblp.org/pid/j/GJiraskova.html), [Peter Mlynárčik](https://dblp.org/pid/146/0422.html): **On the Descriptive Complexity of $$\overline{\varSigma ^\*\overline{L}}$$.** [DLT 2017](https://dblp.org/db/conf/dlt/dlt2017.html#HospodarJM17): 222-234 (rozšírená verzia je bod 3)
4. Michal Hospodár, [Markus Holzer](https://dblp.org/pid/h/MarkusHolzer1.html): **The Ranges of Accepting State Complexities of Languages Resulting From Some Operations.** [CIAA 2018](https://dblp.org/db/conf/wia/ciaa2018.html#Hospodar018): 198-210 (Lect. Notes Comput. Sci., vol. 10977, dostupné na: https://doi.org/10.1007/978-3-319-94812-6\_17) (rozšírená verzia je bod 4)
5. Michal Hospodár: **Descriptional Complexity of Power and Positive Closure on Convex Languages.** [CIAA 2019](https://dblp.org/db/conf/wia/ciaa2019.html#Hospodar19): 158-170 (rozšírená verzia je bod 5)
6. Michal Hospodár, [Viktor Olejár](https://dblp.org/pid/292/7939.html): **The Cut Operation in Subclasses of Convex Languages (Extended Abstract).** [CIAA 2022](https://dblp.org/db/conf/wia/ciaa2022.html#HospodarO22): 152-164 (rozšírená verzia je bod 6)
7. Michal Hospodár, [Peter Mlynárčik](https://dblp.org/pid/146/0422.html), [Viktor Olejár](https://dblp.org/pid/292/7939.html): **Operations on Subregular Languages and Nondeterministic State Complexity.** [DCFS 2022](https://dblp.org/db/conf/dcfs/dcfs2022.html#HospodarMO22): 112-126 (rozšírená verzia je bod 7)

D) Články v ostatných zborníkoch, neindexované články a abstrakty (AFC, AFH, GHG)

1. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina. Concatenation on deterministic and alternating automata. In Eighth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2016)**. H. Bordihn, R. Freund, B. Nagy, G. Vaszil (eds.). - Wien : Österreichische Computer Gesellschaft, 2016, p. 179-194. ISBN 978-3-903035-10-2. Dostupné na internete: [https://www.dropbox.com/sh/al0cxf6s7ukq5xj/AADi7LDOvr8ozUayyqYKTV74a/P08/NCMA2016P08.pdf?dl=0 Typ: AFC](https://www.dropbox.com/sh/al0cxf6s7ukq5xj/AADi7LDOvr8ozUayyqYKTV74a/P08/NCMA2016P08.pdf?dl=0) (rozšírená verzia je bod 1)
2. HOSPODÁR, Michal. The story of concatenation. In 18. **Konferencia košických matematikov**. - Košice : Technická univerzita, 2017, p. 20-21. ISBN 978-80-553-3146-1. Dostupné na internete: <http://people.tuke.sk/jan.busa/JSMF/Herlany2017BOA.pdf> Typ: AFH (abstrakt z bodu 22)
3. HOSPODÁR, Michal. Complexity on unary union-free and unary star-free languages. In Eighth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2016) : short papers**. H. Bordihn, R. Freund, B. Nagy, G. Vaszil (eds.). - Wien : Institut für Computersprachen, 2016, p. 15-23. ISBN 978-3-200-04725-9. Dostupné na internete: https://www.dropbox.com/sh/al0cxf6s7ukq5xj/AAC6fMLB1GWMRx3f8s9vSBFKa/S2/NCMA2016S2.pdf?dl=0 Typ: AFC (rozšírená verzia je bod 10)
4. HOLZER, Markus - HOSPODÁR, Michal. On the magic number problem of the cut operation : IFIG Research Report 1703 [elektronický zdroj]. Giessen : Institut für Informatik, 2017. 15 p. Dostupné na internete: http://www.informatik.uni-giessen.de/reports/Report1703.pdf Typ: GHG (rozšírená verzia je bod 11)
5. HOLZER, Markus - HOSPODÁR, Michal. The complexity of languages resulting from the cut operation in the unary case. In Tenth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2018) : short papers**. - Wien : Österreichische Computer Gesellschaft, 2018, p. 25-33. Dostupné na internete: http://im.saske.sk/ncma2018/ncma2018\_shortpapers.pdf Typ: GHG (rozšírená verzia je bod 11)
6. HOLZER, Markus - HOSPODÁR, Michal. The range of state complexities of languages resulting from the cut operation. In **DLT´s Satellite workshop in Kyoto** : abstracts of the talks. - Kyoto : Kyoto Sangyo University, 2018, p. 12. Dostupné na internete: <https://satellitedlt.sciencesconf.org/data/pages/Proceedings_3.pdf> Typ: GII (abstrakt z bodu 26)
7. HOSPODÁR, Michal - PALMOVSKÝ, Matúš. Nondeterministic complexity of power and positive closure on subclasses of convex languages. In Tenth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2018) : short papers**. - Wien : Österreichische Computer Gesellschaft, 2018, p. 35-43. Dostupné na internete: http://im.saske.sk/ncma2018/ncma2018\_shortpapers.pdf Typ: GHG (rozšírená verzia sú body 19 a 5)
8. HOSPODÁR, Michal - PALMOVSKÝ, Matúš. Nondeterministic complexity of power and positive closure on subclasses of convex languages. In **DLT´s Satellite workshop in Kyoto** : abstracts of the talks. - Kyoto : Kyoto Sangyo University, 2018, p. 14. Dostupné na internete: <https://satellitedlt.sciencesconf.org/data/pages/Proceedings_3.pdf> Typ: GII (abstrakt z bodu 28)

E) Edičná činnosť (FAI) a úvodníky v časopisoch

1. Tenth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2018)**. Rudolf Freund, Michal Hospodár, Galina Jirásková, Giovanni Pighizzini (eds.). Wien : Österreichische Computer Gesellschaft, 2018. 214 p. ISBN 978-3-903035-21-8 Typ: FAI
2. Tenth Workshop on **Non-Classical Models of Automata and Applications (NCMA 2018) : short papers**. Rudolf Freund, Michal Hospodár, Galina Jirásková, Giovanni Pighizzini (eds.). Wien : Österreichische Computer Gesellschaft, 2018. 52 p. Typ: GHG
3. **Implementation and application of automata (CIAA 2019)** : Proceedings LNCS 11601. Michal Hospodár, Galina Jirásková (eds.). Springer International Publishing, 2019. 249 p. Lecture Notes in Computer Science, 11601. ISBN 978-3-030-23678-6. Typ: FAI
4. **Descriptional complexity of formal systems (DCFS 2019)** : Proceedings LNCS 11612. Michal Hospodár, Galina Jirásková, Stavros Konstantinidis (eds.). Springer International Publishing, 2019. 299 p. Lecture Notes in Computer Science, 11612. ISBN 978-3-030-23246-7. Typ: FAI
5. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - PIGHIZZINI, Giovanni. Preface : NCMA 2018. In **Journal of Automata, Languages and Combinatorics : Special issue dedicated to NCMA 2018**, 2020, vol. 25, no. 2-3, p. 81-82. (2019: 0.172 - SJR, Q4 - SJR). ISSN 1430-189X. Dostupné na: <https://doi.org/10.25596/jalc-2020-081> Typ: GII

**Zoznam indexovaných citácií**

Všetky citácie okrem bodu 12 sú indexované v Scopuse.

Všetky citácie okrem bodov 9, 13 a 23 sú indexované vo Web of Science.

Bod 12 je časopis IEEE/ACM, bod 9 je Springer LNCS (ostatné LNCS sú vo WoS), body 13 a 23 sú arXiv.

1. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina. The complexity of concatenation on deterministic and alternating finite automata. In **RAIRO : Theoretical Informatics and Applications**, 2018, vol. 52, no. 2-4, p. 153-168. **Citované v:**
2. Christos Kapoutsis: Alternation in two-way finite automata. TCS 870: 75-102 (2021) DOI 10.1016/j.tcs.2020.12.011 <https://www.sciencedirect.com/science/article/pii/S0304397520307179>
3. Martin Berglund, Brink van der Merwe, Steyn van Litsenborgh: Regular Expressions with Lookahead. JUCS 27(4): 324-340 (2021) DOI 10.3897/jucs.66330 <https://lib.jucs.org/article/66330/>
4. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Nondeterministic complexity in subclasses of convex languages. In **Theoretical Computer Science**, 2019, vol. 787, p. 89-110. **Citované v:**
5. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
6. HOSPODÁR, Michal - HOLZER, Markus. The ranges of accepting state complexities of languages resulting from some operations In **Implementation and Application of Automata, CIAA 2018**. Lect. Notes Comput. Sci., vol. 10977, p. 198-210. **Citované v:**
7. Jürgen Dassow: Further Remarks on the Operational Nonterminal Complexity. IJFCS 32(5), 439-453 (2021) <https://www.worldscientific.com/doi/10.1142/S0129054121410021>
8. Jürgen Dassow, Ismaël Jecker: Operational complexity and pumping lemmas. Acta Informatica 59, 337-355 (2022) <https://link.springer.com/article/10.1007/s00236-022-00431-3>
9. Christian Rauch, Markus Holzer: On the Accepting State Complexity of Operations on Permutation Automata. In: NCMA 2022. EPTCS, vol. 367, p. 177-189 (2022) <https://cgi.cse.unsw.edu.au/~eptcs/paper.cgi?NCMA2022.12>
10. HOSPODÁR, Michal - HOLZER, Markus. The ranges of accepting state complexities of languages resulting from some operations. In **International Journal of Foundations of Computer Science**, 2020, vol. 31, no. 8, p. 1159-1177. **Citované v:**
11. Benedek Nagy: Operational union-complexity. Information and Computation 284, 104692 (2022) DOI 10.1016/j.ic.2021.104692, <https://www.sciencedirect.com/science/article/pii/S0890540121000079>
12. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
13. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, Ivana. Operations on Boolean and alternating finite automata. In **Computer Science - Theory and Applications, CSR 2018**. Lect. Notes Comput. Sci., vol. 10846, p. 181-193. **Citované v:**
14. Chris Keeler, Kai Salomaa: Alternating finite automata with limited universal branching. In: LATA 2020. LNCS, vol. 12038, p. 196-207 (2020) <https://link.springer.com/chapter/10.1007/978-3-030-40608-0_13>
15. Chris Keeler, Kai Salomaa: Combining limited parallelism and nondeterminism in alternating finite automata. In: DCFS 2020. LNCS, vol. 12442, p. 91-103 (2020) <https://link.springer.com/chapter/10.1007/978-3-030-62536-8_8>
16. Christos Kapoutsis, Mohammad Zakzok: Alternation in two-way finite automata. TCS 870, 75-102 (2021) DOI 10.1016/j.tcs.2020.12.011 <https://www.sciencedirect.com/science/article/pii/S0304397520307179>
17. Wan-Hsuan Lin, Chia-Hsuan Su, Jie-Hong Roland Jiang: Language Equation Solving via Boolean Automata Manipulation. In: ICCAD 2022. Proceedings of the 41st IEEE/ACM International Conference on Computer-Aided Design, p. 88:1-88:9. <https://dl.acm.org/doi/10.1145/3508352.3549428>
18. HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. A survey on fooling sets as effective tools for lower bounds on nondeterministic complexity. In **Adventures Between Lower Bounds and Higher Altitudes, 2018**. Lect. Notes Comput. Sci., vol. 11011, p. 17-32. **Citované v:**
19. Murphy Berzish, Mitja Kulczynski, Federico Mora, Florin Manea, Joel D. Day, Dirk Nowotka, Vijay Ganesh: String Theories involving Regular Membership Predicates: From Practice to Theory and Back. arXiv 2105.07 (2021) <https://arxiv.org/pdf/2105.07220.pdf>
20. HOSPODÁR, Michal. Power, positive closure, and quotients on convex languages. In **Theoretical Computer Science**, 2021, vol. 870, p. 53-74. **Citované v:**
21. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
22. Mikhail Moshkov: Decision Trees for Binary Subword-Closed Languages. In Entropy Volume 25, Issue 2, February 2023, article number 349. <https://www.mdpi.com/1099-4300/25/2/349>
23. HOLZER, Markus - HOSPODÁR, Michal. The range of state complexities of languages resulting from the cut operation. In **Language and Automata Theory and Applications, LATA 2019**. Lect. Notes Comput. Sci., vol. 11417, p. 190-202. **Citované v:**
24. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
25. DAVIES, Sylvie - HOSPODÁR, Michal. Square, power, positive closure, and complementation on star-free languages. In **Descriptional Complexity of Formal Systems, DCFS 2019**. Lect. Notes Comput. Sci., vol. 11612, p. 98-110. **Citované v:**
26. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
27. HOSPODÁR, Michal - MLYNÁRČIK, Peter. Operations on permutation automata. In **Developments in Language Theory, DLT 2020**. Lect. Notes Comput. Sci., vol. 12086, p. 122-136. **Citované v:**
28. Stefan Hoffmann: State Complexity Bounds for the Commutative Closure of Group Languages. In: DCFS 2020. LNCS, vol. 12442, p. 64-77 (2020) <https://link.springer.com/chapter/10.1007/978-3-030-62536-8_6>
29. Stefan Hoffmann: State Complexity of Projection on Languages Recognized by Permutation Automata and Commuting Letters. In: DLT 2021. LNCS, vol. 12811, p. 192-203 (2021) <https://link.springer.com/chapter/10.1007/978-3-030-81508-0_16>
30. Stefan Hoffmann: State Complexity Investigations on Commutative Languages - the Upward and Downward Closure, Commutative Aperiodic and Commutative Group Languages. In: DCFS 2021. LNCS, vol. 13037, p. 64-75 (2021) <https://link.springer.com/chapter/10.1007/978-3-030-93489-7_6>
31. Viktor Olejár, Alexander Szabari: Closure Properties of Subregular Languages under Operations. In: MCU 2022. LNCS, vol. 13419, p. 126-142 (2022). <https://link.springer.com/chapter/10.1007/978-3-031-13502-6_9>
32. Christian Rauch, Markus Holzer: On the Accepting State Complexity of Operations on Permutation Automata. In: NCMA 2022. EPTCS, vol. 367, p. 177-189 (2022) <https://cgi.cse.unsw.edu.au/~eptcs/paper.cgi?NCMA2022.12>
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