

Список публикаций

- Branching densities of cube-free and square-free words**
Petrova, E. A. & Shur, A. M., апр 2021, в: Algorithms. 14, 4, 19 стр., 126.
- Transition Property for Cube-Free Words**
Petrova, E. A. & Shur, A. M., апр 2021, в: Theory of Computing Systems. 65, 3, стр. 479-496 18 стр.
- Branching Frequency and Markov Entropy of Repetition-Free Languages**
Petrova, E. A. & Shur, A. M., 2021, *Developments in Language Theory - 25th International Conference, DLT 2021, Proceedings*. Moreira, N. & Reis, R. (ред.). Springer, стр. 328-341 14 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 12811 LNCS).
- Palindromic k-factorization in pure linear time**
Rubinchik, M. & Shur, A. M., 1 авг 2020, *45th International Symposium on Mathematical Foundations of Computer Science, MFCS 2020*. Esparza, J. & Kral, D. (ред.). Schloss Dagstuhl- Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing, MFCS-2020-81. (Leibniz International Proceedings in Informatics, LIPIcs; том 170).
- String periods in the order-preserving model**
Gourdel, G., Kociumaka, T., Radoszewski, J., Rytter, W., Shur, A. & Waleń, T., фев 2020, в: Information and Computation. 270, 22 стр., 104463.
- Subword complexity and power avoidance**
Shallit, J. & Shur, A., 5 ноя 2019, в: Theoretical Computer Science. 792, стр. 96-116 21 стр.
- Tight Tradeoffs for Real-Time Approximation of Longest Palindromes in Streams**
Gawrychowski, P., Merkurev, O., Shur, A. M. & Uznański, P., сен 2019, в: Algorithmica. 81, 9, стр. 3630-3654 25 стр.
- Searching long repeats in streams**
Shur, A. M. & Merkurev, O., 1 июн 2019, *30th Annual Symposium on Combinatorial Pattern Matching, CPM 2019*. Pisanti, N. & Pissis, S. P. (ред.). Schloss Dagstuhl- Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing, 31. (Leibniz International Proceedings in Informatics, LIPIcs; том 128).
- Comparison of LZ77-type parsings**
Kosolobov, D. & Shur, A. M., 1 янв 2019, в: Information Processing Letters. 141, стр. 25-29 5 стр.
- Searching Runs in Streams**
Merkurev, O. & Shur, A. M., 1 янв 2019, *String Processing and Information Retrieval - 26th International Symposium, SPIRE 2019, Proceedings*. Brisaboa, N. R. & Puglisi, S. J. (ред.). Springer Verlag, стр. 203-220 18 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 11811 LNCS).
- Transition property for cube-free words**
Petrova, E. A. & Shur, A. M., 1 янв 2019, *Computer Science – Theory and Applications - 14th International Computer Science Symposium in Russia, CSR 2019, Proceedings*. Kucherov, G. & van Bevern, R. (ред.). Springer Verlag, Том 11532. стр. 311-324 14 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 11532 LNCS).
- Square-Free Partial Words with Many Wildcards**
Gasnikov, D. & Shur, A. M., 1 авг 2018, в: International Journal of Foundations of Computer Science. 29, 5, стр. 845-860 16 стр.
- String periods in the order-preserving model**
Gourdel, G., Kociumaka, T., Radoszewski, J., Rytter, W., Shur, A. & Walen, T., 2 фев 2018, *35th Symposium on Theoretical Aspects of Computer Science, STACS 2018*. Niedermeier, R. & Vallee, B. (ред.). Schloss Dagstuhl- Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing, Том 96. 16 стр. 38. (Leibniz International Proceedings in Informatics; том 96).
- EERTREE: An efficient data structure for processing palindromes in strings**
Rubinchik, M. & Shur, A. M., 1 фев 2018, в: European Journal of Combinatorics. 68, стр. 249-265 17 стр.
- Математика, механика и компьютерные науки : Подготовка к вступительным экзаменам в магистратуру : задачник: учебное пособие**
Ананичев, Д. С., Арестов, В. В., Асанов, М. О., Гальперин, А. Л., Глазырина, П. Ю., Гурьянова, К. Н., Иванов, А. О., Коврижных, А. Ю., Коврижных, О. О., Меленцова, Ю. А., Охезин, С. П., Рекант, М. А., Стихина, Т. К., Шнейдер, А. Е., Шур, А. М. & Коврижных, А. Ю. (ред.), 2018, Екатеринбург: Издательство Уральского университета. 140 стр.
- Lower bounds on words separation: Are there short identities in transformation semigroups?**
Bulatov, A., Karpova, O., Shur, A. M. & Startsev, K., 25 авг 2017, в: Electronic Journal of Combinatorics. 24, 3, P3.35.
- Palindromic length in linear time**
Borozdin, K., Kosolobov, D., Rubinchik, M. & Shur, A. M., 1 июл 2017, *28th Annual Symposium on Combinatorial Pattern Matching, CPM 2017*. Schloss Dagstuhl- Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing, Том 78. 23

18. **On the size of Lempel-Ziv and Lyndon factorizations**
Kärkkäinen, J., Kempa, D., Nakashima, Y., Puglisi, S. J. & Shur, A. M., 1 мар 2017, *34th Symposium on Theoretical Aspects of Computer Science, STACS 2017*. Schloss Dagstuhl- Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Том 66. 45
19. **Counting palindromes in substrings**
Rubinchik, M. & Shur, A. M., 2017, *String Processing and Information Retrieval - 24th International Symposium, SPIRE 2017, Proceedings*. Springer Verlag, Том 10508 LNCS. стр. 290-303 14 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 10508 LNCS).
20. **On the tree of binary cube-free words**
Petrova, E. A. & Shur, A. M., 2017, *Developments in Language Theory - 21st International Conference, DLT 2017, Proceedings*. Springer Verlag, Том 10396 LNCS. стр. 296-307 12 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 10396 LNCS).
21. **Palindromic rich words and run-length encodings**
Guo, C., Shallit, J. & Shur, A. M., 1 дек 2016, в: *Information Processing Letters*. 116, 12, стр. 735-738 4 стр.
22. **Tight tradeoffs for real-time approximation of longest palindromes in streams**
Gawrychowski, P., Merkurev, O., Shur, A. M. & Uznański, P., 1 июн 2016, *27th Annual Symposium on Combinatorial Pattern Matching, CPM 2016*. Schloss Dagstuhl- Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Том 54. стр. 18.1-18.13
23. **More on quantum, stochastic, and pseudo stochastic languages with few states**
Shur, A. M. & Yakaryilmaz, A., 1 мар 2016, в: *Natural Computing*. 15, 1, стр. 129-141 13 стр.
24. **Special Issue Developments in Language Theory (DLT 2014) Preface**
Shur, A., фев 2016, в: *International Journal of Foundations of Computer Science*. 27, 2, стр. 101-102 2 стр.
25. **EERTREE: An efficient data structure for processing palindromes in strings**
Rubinchik, M. & Shur, A. M., 2016, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Springer Verlag, Том 9538. стр. 321-333 13 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 9538).
26. **Ternary square-free partial words with many wildcards**
Gasnikov, D. & Shur, A. M., 2016, *Developments in Language Theory - 20th International Conference, DLT 2016, Proceedings*. Springer Verlag, Том 9840. стр. 177-189 13 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 9840).
27. **The Number of Distinct Subpalindromes in Random Words**
Rubinchik, M. & Shur, A. M., 2016, в: *Fundamenta Informaticae*. 145, 3, стр. 371-384 14 стр.
28. **Optimal Bounds for the Similarity Density of the Thue-Morse Word with Overlap-Free and $7/3$ -Power-Free Infinite Binary Words**
Du, C. F., Shallit, J. & Shur, A. M., 1 дек 2015, в: *International Journal of Foundations of Computer Science*. 26, 8, стр. 1147-1165 19 стр.
29. **Searching for Zimin patterns**
Rytter, W. & Shur, A. M., 16 мар 2015, в: *Theoretical Computer Science*. 571, C, стр. 50-57 8 стр.
30. **Generating square-free words efficiently**
Shur, A. M., 1 янв 2015, в: *Theoretical Computer Science*. 601, стр. 67-72 6 стр.
31. **On the Tree of Ternary Square-Free Words**
Petrova, E. A. & Shur, A. M., 2015, *COMBINATORICS ON WORDS, WORDS 2015*. Manea, F. & Nowotka, D. (ред.). Springer Verlag, Том 9304. стр. 223-236 14 стр. (Lecture Notes in Computer Science; том 9304).
32. **Pal(k) is Linear Recognizable Online**
Kosolobov, D., Rubinchik, M. & Shur, A. M., 2015, *SOFSEM 2015: THEORY AND PRACTICE OF COMPUTER SCIENCE*. Italiano, GF., MargariaSteffen, T., Pokorný, J., Quisquater, JJ. & Wattenhofer, R. (ред.). Springer Verlag, Том 8939. стр. 289-301 13 стр. (Lecture Notes in Computer Science; том 8939).
33. **Languages with a finite antidictionary: Some growth questions**
Shur, A. M., дек 2014, в: *International Journal of Foundations of Computer Science*. 25, 8, стр. 937-953 17 стр.
34. **Binary patterns in binary cube-free words: Avoidability and growth**
Mercas, R., Ochem, P., Samsonov, A. V. & Shur, A. M., окт 2014, в: *RAIRO - Theoretical Informatics and Applications*. 48, 4, стр. 369-389 21 стр.
35. **Growth of Power-Free Languages over Large Alphabets**
Shur, A. M., фев 2014, в: *Theory of Computing Systems*. 54, 2, стр. 224-243 20 стр.
36. **Quantum, stochastic, and pseudo stochastic languages with few states**
Shur, A. M. & Yakaryilmaz, A., 1 янв 2014, в: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. 8553 LNCS, стр. 327-339 13 стр.

37. **Periodic Partial Words and Random Bipartite Graphs**
Idiatulina, L. A. & Shur, A. M., 2014, в: *Fundamenta Informaticae*. 132, 1, стр. 15-31 17 стр.
38. **Finding distinct subpalindromes online**
Kosolobov, D., Rubinchik, M. & Shur, A. M., 2013, *Proceedings of the Prague Stringology Conference 2013, PSC 2013*. стр. 63-69 7 стр.
39. **Languages with a finite antidictionary: Growth-preserving transformations and available orders of growth**
Shur, A. M., 2013, *Developments in Language Theory - 17th International Conference, DLT 2013, Proceedings*. Том 7907 LNCS. стр. 445-457 13 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 7907 LNCS).
40. **Preface**
Bulatov, A. & Shur, A., 2013, в: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. 7913 LNCS
41. **CONSTRUCTING PREMAXIMAL BINARY CUBE-FREE WORDS OF ANY LEVEL**
Petrova, E. A. & Shur, A. M., дек 2012, в: *International Journal of Foundations of Computer Science*. 23, 8, стр. 1595-1609 15 стр.
42. **ON PANSIOT WORDS AVOIDING 3-REPETITIONS**
Gorbunova, I. A. & Shur, A. M., дек 2012, в: *International Journal of Foundations of Computer Science*. 23, 8, стр. 1583-1594 12 стр.
43. **Growth properties of power-free languages**
Shur, A. M., ноя 2012, в: *Computer Science Review*. 6, 5-6, стр. 187-208 22 стр.
44. **Deciding context equivalence of binary overlap-free words in linear time**
Shur, A. M., июн 2012, в: *Semigroup Forum*. 84, 3, стр. 447-471 25 стр.
45. **On Abelian repetition threshold**
Samsonov, A. V. & Shur, A. M., янв 2012, в: *RAIRO - Theoretical Informatics and Applications*. 46, 1, стр. 147-163 17 стр.
46. **Constructing premaximal ternary square-free words of any level**
Petrova, E. A. & Shur, A. M., 2012, *Mathematical Foundations of Computer Science 2012 - 37th International Symposium, MFCS 2012, Proceedings*. Том 7464 LNCS. стр. 752-763 12 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 7464 LNCS).
47. **On two stronger versions of Dejean's conjecture**
Tunev, I. N. & Shur, A. M., 2012, *Mathematical Foundations of Computer Science 2012 - 37th International Symposium, MFCS 2012, Proceedings*. Том 7464 LNCS. стр. 800-812 13 стр. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); том 7464 LNCS).