

Research output

On properly ordered coloring of vertices in a vertex-weighted graph

Fujita, S., Kitaev, S., Sato, S. & Tong, L-D., 22 Feb 2021, (E-pub ahead of print) In: Order. 12 p.

The combinatorics of Jeff Remmel

Kitaev, S. & Mendes, A., 19 Feb 2021, In: Enumerative Combinatorics and Applications. 1, 2, 10 p., S1H2.

Encoding labelled p-Riordan graphs by words and pattern-avoiding permutations

Iamthong, K., Jung, J-H. & Kitaev, S., 31 Jan 2021, In: Graphs and Combinatorics. 37, 1, p. 139-149 11 p.

Counting independent sets in Riordan graphs

Cheon, G-S., Jung, J-H., Kang, B., Kim, H., Kim, S-R., Kitaev, S. & Mojallal, S. A., 30 Nov 2020, In: Discrete Mathematics. 343, 11, 20 p., 112043.

On semi-transitive orientability of triangle-free graphs

Kitaev, S. & Pyatkin, A., 14 Nov 2020, (Accepted/In press) In: Discussiones Mathematicae Graph Theory. 16 p.

Word-representability of split graphs

Kitaev, S., Long, Y., Ma, J. & Wu, H., 14 Sep 2020, (Accepted/In press) In: Journal of Combinatorics. 21 p.

On semi-transitive orientability of Kneser graphs and their complements

Kitaev, S. & Saito, A., 31 Aug 2020, In: Discrete Mathematics. 343, 8, 7 p., 111909.

Representing split graphs by words

Chen, H. Z. Q., Kitaev, S. & Saito, A., 17 Jun 2020, (Accepted/In press) In: Discussiones Mathematicae Graph Theory.

On universal partial words for word-patterns and set partitions

Chen, H. Z. Q. & Kitaev, S., 4 Jun 2020, In: RAIRO - Theoretical Informatics and Applications. 54, 14 p., 5.

Lower bounds, and exact enumeration in particular cases, for the probability of existence of a universal cycle or a universal word for a set of words

Chen, H. Z. Q., Kitaev, S. & Sun, B. Y., 12 May 2020, In: Mathematics. 8, 5, 11 p., 778.

Distributions of several infinite families of mesh patterns

Kitaev, S., Zhang, P. B. & Zhang, X., 1 May 2020, In: Applied Mathematics and Computation. 372, 15 p., 124984.

On the 12-representability of induced subgraphs of a grid graph

Chen, J. N. & Kitaev, S., 1 Nov 2019, (Accepted/In press) In: Discussiones Mathematicae Graph Theory. 22 p.

Word-representability of Toeplitz graphs

Cheon, G-S., Kitaev, S., Kim, J. & Kim, M., 1 Nov 2019, In: Discrete Applied Mathematics. 270, p. 96-105 10 p.

Riordan graphs I: structural properties

Cheon, G-S., Jung, J-H., Kitaev, S. & Mojallal, S. A., 15 Oct 2019, In: Linear Algebra and its Applications. 579, p. 89-135 47 p.

Distributions of mesh patterns of short lengths

Kitaev, S. & Zhang, P. B., 1 Sep 2019, In: Advances in Applied Mathematics. 110, p. 1-32 32 p.

On partially ordered patterns of length 4 and 5 in permutations

Gao, A. L. L. & Kitaev, S., 16 Aug 2019, In: The Electronic Journal of Combinatorics. 26, 3, 31 p., P3.26.

Riordan graphs II: spectral properties

Cheon, G-S., Jung, J-H., Kitaev, S. & Mojallal, S. A., 15 Aug 2019, In: Linear Algebra and its Applications. 575, p. 174-215 42 p.

On k -11-representable graphs

Cheon, G-S., Kim, J., Kim, M., Kitaev, S. & Pyatkin, A., 23 May 2019, In: Journal of Combinatorics. 10, 3, p. 491-513 23 p.

On shortening u -cycles and u -words for permutations

Kitaev, S., Potapov, V. N. & Vajnovszki, V., 15 May 2019, In: Discrete Applied Mathematics. 260, p. 203-213 11 p.

Polygon-circle and word-representable graphs

Enright, J. & Kitaev, S., 20 Mar 2019, In: Electronic Notes in Discrete Mathematics. 71, p. 3-8 6 p.

On a greedy algorithm to construct universal cycles for permutations

Gao, A. L. L., Kitaev, S., Steiner, W. & Zhang, P. B., 5 Mar 2019, In: International Journal of Foundations of Computer Science. 30, 1, p. 61-72 12 p.

Solving computational problems in the theory of word-representable graphs

Akgün, Ö., Gent, I., Kitaev, S. & Zantema, H., 24 Feb 2019, In: Journal of Integer Sequences. 22, 2, p. 1-18 18 p., 19.2.5.

On the representation number of a crown graph

Glen, M., Kitaev, S. & Pyatkin, A., 31 Jul 2018, In: Discrete Applied Mathematics. 244, p. 89-93 5 p.

Графы, представимые в виде слов: обзор результатов

Kitaev, S. & Pyatkin, A., 30 Apr 2018, In: Diskretnyi Analiz i Issledovanie Operatsii. 25, 2, p. 19-53 35 p.

On pattern avoiding indecomposable permutations

Gao, A. L. L., Kitaev, S. & Zhang, P. B., 16 Jan 2018, In: Integers: Electronic Journal of Combinatorial Number Theory. 18, 23 p., A2.

Existence of μ -representation of graphs

Kitaev, S., 31 Jul 2017, In: Journal of Graph Theory. 85, 3, p. 661-668 8 p.

On 132-representable graphs

Gao, A. L. L., Kitaev, S. & Zhang, P. B., 19 Jul 2017, (Accepted/In press) In: Australasian Journal of Combinatorics. 69, 1, p. 105-118

A comprehensive introduction to the theory of word-representable graphs

Kitaev, S., 17 May 2017, (Accepted/In press) *Developments in Language Theory: 21th International Conference, DLT 2017, Leige, Belgium, August 7-11, 2017, Proceedings*. Berlin: Springer-Verlag, (Lecture Notes in Computer Science).

On universal partial words

Chen, H. Z. Q., Kitaev, S., Mütze, T. & Sun, B. Y., 5 May 2017, (Accepted/In press) In: Discrete Mathematics and Theoretical Computer Science. 19, 1, 19 p., 16.

On universal partial words

Chen, H. Z. Q., Kitaev, S., Mutze, T. & Sun, B. Y., 29 Apr 2017, (Accepted/In press) In: Electronic Notes in Discrete Mathematics.

New results on word-representable graphs

Collins, A., Kitaev, S. & Lozin, V. V., 10 Jan 2017, In: Discrete Applied Mathematics. 216, Part 1, p. 136-141 6 p.

A note on p-Ascent Sequences

Kitaev, S. & Rempel, J., 2017, In: Journal of Combinatorics. 8, 3, p. 487-506

Pattern-avoiding alternating words

Gao, A. L. L., Kitaev, S. & Zhang, P. B., 10 Jul 2016, In: Discrete Applied Mathematics. 207, p. 56-66

Word-representability of triangulations of grid-covered cylinder graphs

Chen, H. Z. Q., Kitaev, S. & Sun, B. Y., 23 May 2016, (Accepted/In press) In: Discrete Applied Mathematics. 19 p.

Word-representability of face subdivisions of triangular grid graphs

Chen, H. Z. Q., Kitaev, S. & Sun, B. Y., 30 Mar 2016, (E-pub ahead of print) In: Graphs and Combinatorics. 13 p.

Semi-transitive orientations and word-representable graphs

Halldórsson, M. M., Kitaev, S. & Pyatkin, A., 11 Mar 2016, In: Discrete Applied Mathematics. 201, p. 164-171 14 p.

Gray coding cubic planar maps

Avgustinovich, S., Kitaev, S., Potapov, V. & Vajnovszki, V., 22 Feb 2016, In: Theoretical Computer Science. 616, p. 59-69 11 p.

Avoiding vincular patterns on alternating words

Gao, A. L. L., Kitaev, S. & Zhang, P. B., 2016, In: Discrete Mathematics. 339, p. 2079-2093 25 p.

Mahonian STAT on words

Kitaev, S. & Vajnovszki, V., 2016, (E-pub ahead of print) In: Information Processing Letters. 116, p. 157-162

Word-representability of triangulations of rectangular polyomino with a single domino tile

Glen, M. & Kitaev, S., 9 Sep 2015, (Accepted/In press) In: Journal of Combinatorial Mathematics and Combinatorial Computing. 14 p.

Quadrant marked mesh patterns in 132-avoiding permutations III

Kitaev, S., Rempel, J. & Tiefenbruck, M., 30 Jul 2015, (Accepted/In press) In: Integers: Electronic Journal of Combinatorial Number Theory. 41 p.

Frame patterns in n-cycles

Jones, M., Kitaev, S. & Rempel, J., 6 Jul 2015, In: Discrete Mathematics. 338, 7, p. 1197-1215 19 p.

S-crucial and bicrucial permutations with respect to squares

Gent, I., Kitaev, S., Konovalov, A., Linton, S. & Nightingale, P., 3 Jun 2015, In: Journal of Integer Sequences. 18, 22 p., 15.6.5.

(a,b)-rectangle patterns in permutations and words

Kitaev, S. & Rempel, J., 11 May 2015, In: Discrete Applied Mathematics. 186, p. 128-146 28 p.

Quadrant marked mesh patterns in 132-avoiding permutations II

Kitaev, S., Rempel, J. & Tiefenbruck, M., 8 May 2015, In: Integers: Electronic Journal of Combinatorial Number Theory. 15, 33 p., A16.

On word-representability of polyomino triangulations

Akrobotu, P., Kitaev, S. & Masarova, Z., 27 Feb 2015, In: Siberian Advances in Mathematics. 25, 1, p. 1-10 10 p.

Number of cycles in the graph of 312-avoiding permutations

Ehrenborg, R., Kitaev, S. & Steingrimsson, E., Jan 2015, In: Journal of Combinatorial Theory Series A . 129, p. 1-18 18 p.

An involution on bicubic maps and $\beta(0, 1)$ -trees

Claesson, A., Kitaev, S. & de Mier, A., 2015, In: Australasian Journal of Combinatorics. 61, 1, p. 1-18 18 p.

Representing graphs via pattern avoiding words

Jones, M., Kitaev, S., Pyatkin, A. & Remmel, J., 2015, In: The Electronic Journal of Combinatorics. 22, 2, 20 p., P2.53.

Words and Graphs

Kitaev, S. & Lozin, V., 2015, Cham: Springer-Verlag. 264 p. (Monographs in Theoretical Computer Science)

Enumeration of fixed points of an involution on $\beta(1, 0)$ -trees

Kitaev, S. & de Mier, A., 1 Sep 2014, In: Graphs and Combinatorics. 30, 5, p. 1207-1221 15 p.

Number of cycles in the graph of 312-avoiding permutations

Ehrenborg, R., Kitaev, S. & Steingrimsson, E., 2 Jul 2014.

The 1-box pattern on pattern-avoiding permutations

Kitaev, S. & Remmel, J., 15 Feb 2014, In: Journal of Integer Sequences. 17, 3, 19 p., 14.3.3.

On the number of self-dual rooted maps

Kitaev, S., de Mier, A. & Noy, M., Jan 2014, In: European Journal of Combinatorics. 35, p. 377-387 11 p.

Word-representable graphs and permutation patterns

Kitaev, S., 2014.

Universal graphs and universal permutations

Atminas, A., Kitaev, S., Lozin, V. & Valyuzhenich, A., Dec 2013, In: Discrete Mathematics, Algorithms and Applications. 5, 4, 15 p.

Restricted non-separable planar maps and some pattern avoiding permutations

Kitaev, S., Salimov, P., Severs, C. & Ulfarsson, H., Nov 2013, In: Discrete Applied Mathematics. 161, 16-17, p. 2514-2526 13 p.

Harmonic numbers, Catalan's triangle and mesh patterns

Kitaev, S. & Liese, J., 28 Jul 2013, In: Discrete Mathematics. 313, 14, p. 1515-1531 17 p.

An involution on beta(1,0)-trees

Claesson, A., Kitaev, S. & Steingrimsson, E., Jul 2013, In: Advances in Applied Mathematics. 51, 2, p. 276-284 9 p.

Generalized pattern matching conditions for $C_k \wr S_n$

Kitaev, S., Niedermaier, A., Remmel, J. & Riehl, M., 13 Feb 2013, In: ISRN Combinatorics. 2013, 21 p., 634823.

Avoidance of boxed mesh patterns on permutations

Avgrustinovich, S., Kitaev, S. & Valyuzhenich, A., Jan 2013, In: Discrete Applied Mathematics. 161, 1-2, p. 43-51 9 p.

Generalized pattern avoidance condition for the wreath product of cyclic groups with symmetric groups

Kitaev, S., Remmel, J. & Riehl, M., 2013, In: ISRN Combinatorics. 2013, 17 p., 806583.

On graphs with representation number 3

Kitaev, S., 2013, In: Journal of Automata, Languages and Combinatorics. 18, 2, p. 97-112 16 p.

Quadrant marked mesh patterns in alternating permutations II

Kitaev, S. & Rempel, J., 2013, In: Journal of Combinatorics. 4, 1, p. 31-65 35 p.

Crucial and bicrucial permutations with respect to arithmetic monotone patterns

Avgustinovich, S., Kitaev, S. & Valyuzhenich, A., 19 Dec 2012, In: Siberian Electronic Mathematical Reports. 9, p. 660-671 12 p.

Quadrant marked mesh patterns in alternating permutations

Kitaev, S. & Rempel, J., Mar 2012, In: Séminaire Lotharingien de Combinatoire. 68, 20 p., B68a.

Quadrant marked mesh patterns

Kitaev, S. & Rempel, J., 2012, In: Journal of Integer Sequences. 15, 4, 29 p., 12.4.7.

Quadrant marked mesh patterns in 132-avoiding permutations

Kitaev, S., Rempel, J. & Tiefenbruck, M., 2012, In: Pure Mathematics and Applications. 23, 3, p. 219-256 38 p.

Enumerating (2+2)-free posets by the number of minimal elements and other statistics

Kitaev, S. & Rempel, J., 28 Oct 2011, In: Discrete Mathematics. 159, 17, p. 2098 - 2108 11 p.

Alternation graphs

Halldorsson, M., Kitaev, S. & Pyatkin, A., Aug 2011, *Graph-theoretic concepts in computer science: 37th International Workshop, WG 2011 Teplá Monastery, Czech Republic, June 21-24, 2011 Revised Papers*. Kolman, P. & Kratochvíl, J. (eds.). Berlin, p. 191-202 12 p. (Lecture Notes in Computer Science; vol. 6986).

Word-representability of line graphs

Kitaev, S., Salimov, P., Severs, C. & Ulfarsson, H., Jul 2011, In: Open Journal of Discrete Mathematics. 1, 2, p. 96-101 6 p.

A direct encoding of Stoimenow's matchings as ascent sequences.

Claesson, A., Dukes, M. & Kitaev, S., Feb 2011, In: Australasian Journal of Combinatorics. 49, p. 47-59 13 p.

A spectral approach to consecutive pattern-avoiding permutations

Kitaev, S., Ehrenborg, R. & Perry, P., 2011, In: Journal of Combinatorics. 2, 3, p. 305-353 49 p.

Enumerating (2+2)-free posets by indistinguishable elements

Dukes, M., Kitaev, S., Rempel, J. & Steingrímsson, E., 2011, In: Journal of Combinatorics. 2, 1, p. 139-163 25 p.

On square-free permutations

Avgustinovich, S., Kitaev, S., Pyatkin, A. & Valyuzhenich, A., 2011, In: Journal of Automata, Languages and Combinatorics. 16, 1, p. 3-10 8 p.

On the representability of line graphs

Kitaev, S., Salimov, P., Severs, C. & Ulfarsson, H., 2011, *Developments in Language Theory: 15th International Conference, DLT 2011, Milan, Italy, July 19-22, 2011. Proceedings*. Mauri, G. & Leporati, A. (eds.). p. 478-479 2 p. (Lecture Notes in Computer Science; vol. 6795).

Pattern avoidance in partial permutations

Claesson, A., Jelinek, V., Jelinkova, E. & Kitaev, S., 2011, In: The Electronic Journal of Combinatorics. 18, 1, 41 p.

Patterns in permutations and words

Kitaev, S., 2011, 494 p. (Monographs in Theoretical Computer Science. An EATCS Series)

(2+2)-free posets, ascent sequences and pattern avoiding permutations

Bousquet-Melou, M., Claesson, A., Dukes, M. & Kitaev, S., Oct 2010, In: Journal of Combinatorial Theory Series A . 117, 7, p. 884-909 26 p.

Boolean complexes for Ferrers graphs

Claesson, A., Kitaev, S., Ragnarsson, K. & Tenner, B. E., Oct 2010, In: Australasian Journal of Combinatorics. 48, p. 159-173 15 p.

On avoidance of V- and \wedge -patterns in permutations

Kitaev, S. & Pyatkin, A., Oct 2010, In: Ars Combinatoria. 97, p. 203-215 13 p.

Enumerating (2+2)-free posets by the number of minimal elements and other statistics

Kitaev, S. & Remmel, J., Aug 2010, p. 821-832. 12 p.

A survey on partially ordered patterns

Kitaev, S., Jun 2010, *Permutation Patterns*. p. 115-135 21 p.

On shortest crucial words avoiding abelian powers

Avgustinovich, S., Glen, A., Halldorsson, B. & Kitaev, S., 28 Mar 2010, In: Discrete Applied Mathematics. 158, 6, p. 605-607 3 p.

Avoiding substrings in compositions

Heubach, S. & Kitaev, S., 2010, In: Congressus Numerantium. 202, p. 87-95 9 p.

Crucial abelian k-power-free words

Glen, A., Halldorsson, B. & Kitaev, S., 2010, In: Discrete Mathematics and Theoretical Computer Science. 12, 5, p. 83-96 14 p.

Graphs capturing alternations in words

Halldorsson, M., Kitaev, S. & Pyatkin, A., 2010, *Developments in Language Theory: 14th International Conference, DLT 2010, London, ON, Canada, August 17-20, 2010. Proceedings*. Gao, Y., Lu, H., Seki, S. & Yu, S. (eds.). p. 436-437 2 p. (Lecture Notes in Computer Science; vol. 6224).

Pattern avoidance in partial permutations

Claesson, A., Jelínek, V., Jelinkova, E. & Kitaev, S., 2010, p. 625-636. 12 p.

Place-difference-value patterns: a generalization of generalized permutation and word patterns

Kitaev, S. & Remmel, J., 2010, In: Integers: Electronic Journal of Combinatorial Number Theory. 10, p. 129-154 26 p., A11.

Decompositions and statistics for $\beta(1,0)$ -trees and nonseparable permutations

Claesson, A., Kitaev, S. & Steingrímsson, E., Mar 2009, In: Advances in Applied Mathematics. 42, 3, p. 313–328 16 p.

Crucial words for abelian powers

Glen, A., Halldorsson, B. & Kitaev, S., 2009, *Developments in Language Theory: 13th International Conference, DLT 2009, Stuttgart, Germany, June 30-July 3, 2009. Proceedings*. Diekert, V. & Nowotka, D. (eds.). p. 264-275 12 p. (Lecture Notes in Computer Science; vol. 5583).

Equidistribution of descents, adjacent pairs, and place-value pairs on permutations

Deutsch, E., Kitaev, S. & Remmel, J., 2009, In: Journal of Integer Sequences. 12, 5, 19 p., 09.5.1.

Rationality, irrationality, and Wilf equivalence in generalized factor order

Kitaev, S., Liese, J., Rempel, J. & Sagan, B., 2009, In: The Electronic Journal of Combinatorics. 16, 2, 26 p., R22.

Rationality, irrationality, and Wilf equivalence in generalized factor order

Kitaev, S., Liese, J., Rempel, J. & Sagan, B., 2009, p. 515-526. 12 p.

Unlabeled (2+2)-free posets, ascent sequences and pattern avoiding permutations

Bousquet-Melou, M., Claesson, A., Dukes, M. & Kitaev, S., 2009, p. 216-228. 13 p.

Classification of bijections between 321- and 132-avoiding permutations

Claesson, A. & Kitaev, S., 4 Nov 2008, In: Séminaire Lotharingien de Combinatoire. 60, 30 p., B60d.

Word problem of the Perkins semigroup via directed acyclic graphs

Kitaev, S. & Seif, S., Aug 2008, In: Order. 25, 3, p. 177-194 18 p.

On uniquely k-determined permutations

Avgustinovich, S. & Kitaev, S., May 2008, In: Discrete Mathematics. 308, 9, p. 1500-1507 8 p.

Counting ordered patterns in words generated by morphisms

Kitaev, S., Mansour, T. & Seebold, P., 29 Jan 2008, In: Integers: Electronic Journal of Combinatorial Number Theory. 8, 1, 28 p., A-3.

Classification of bijections between 321- and 132-avoiding permutations

Claesson, A. & Kitaev, S., 2008, p. 495–506. 12 p.

Counting descents, rises, and levels, with prescribed first element, in words

Kitaev, S., Mansour, T. & Rempel, J., 2008, In: Discrete Mathematics and Theoretical Computer Science. 10, 3, 22 p.

Counting independent sets in certain classes of (almost) regular graphs

Burstein, A., Kitaev, S. & Mansour, T., 2008, In: Pure Mathematics and Applications. 19, 2-3, p. 17-26 10 p.

Counting ordered patterns in words generated by morphisms

Kitaev, S., Mansour, T. & Seebold, P., 2008, *Language and Automata Theory and Applications: Second International Conference, LATA 2008, Tarragona, Spain, March 13-19, 2008. Revised Papers*. Martín-Vide, C., Otto, F. & Fernau, H. (eds.). Berlin: Springer, p. 287-298 12 p. (Lecture Notes in Computer Science; vol. 5196).

On representable graphs

Kitaev, S. & Pyatkin, A., 2008, In: Journal of Automata, Languages and Combinatorics. 13, 1, p. 45-54 10 p.

Partially ordered patterns and their combinatorial interpretations

Burstein, A. & Kitaev, S., 2008, In: Pure Mathematics and Applications. 19, 2-3, p. 27-38 12 p.

Classifying descents according to parity

Kitaev, S. & Rempel, J., 1 Aug 2007, In: Annals of Combinatorics. 11, 2, p. 173-193 21 p.

On uniquely k-determined permutations

Avgustinovich, S. & Kitaev, S., Jul 2007. 7 p.

Introduction to partially ordered patterns

Kitaev, S., 15 Apr 2007, In: Discrete Applied Mathematics. 155, 8, p. 929-944 16 p.

Avoidance of partially ordered patterns in compositions

Heubach, S., Kitaev, S. & Mansour, T., 2007, In: Pure Mathematics and Applications. 17, 1-2, p. 123–134 12 p.

On multi-dimensional patterns

Kitaev, S. & Robbins, J., 2007, In: Pure Mathematics and Applications. 18, 3-4, p. 291-299 9 p.

Classifying descents according to equivalence mod k

Kitaev, S. & Remmel, J., 12 Jun 2006. 6 p.

A spectral approach to pattern-avoiding permutations

Ehrenborg, R., Kitaev, S. & Perry, P., Jun 2006. 12 p.

Enumerating segmented patterns in compositions and encoding with restricted permutations

Kitaev, S., McAllister, T. & Petersen, T. K., 11 Feb 2006, In: Integers: Electronic Journal of Combinatorial Number Theory. 6, 16 p., A34.

Classifying descents according to equivalence mod k

Kitaev, S. & Remmel, J., 2006, In: The Electronic Journal of Combinatorics. 13, 39 p., R64.

Independent sets on path-schemes

Kitaev, S., 2006, In: Journal of Integer Sequences. 9, 8 p., 06.2.2.

Segmented partially ordered generalized patterns

Kitaev, S., 16 Dec 2005, In: Theoretical Computer Science. 349, 3, p. 420-428 9 p.

Partially ordered generalized patterns

Kitaev, S., 6 Aug 2005, In: Discrete Mathematics. 298, 1-3, p. 212-229 18 p.

Linear recurrences and Chebyshev polynomials

Kitaev, S. & Mansour, T., Aug 2005, In: The Fibonacci Quarterly. 43, 3, p. 256-261

On multi-avoidance of generalized patterns

Kitaev, S. & Mansour, T., Jul 2005, In: Ars Combinatoria. 76, p. 321-350 30 p.

Simultaneous avoidance of generalized patterns

Kitaev, S. & Mansour, T., Apr 2005, In: Ars Combinatoria. 75, p. 267-288 22 p.

Partially ordered generalized patterns and their combinatorial interpretation

Burstein, A. & Kitaev, S., Mar 2005. 6 p.

On unavoidable sets of word patterns

Burstein, A. & Kitaev, S., 2005, In: SIAM Journal on Discrete Mathematics. 19, 2, p. 371-381 11 p.

Pattern avoidance in matrices

Kitaev, S., Mansour, T. & Vella, A., 2005, In: Journal of Integer Sequences. 8, 16 p., 05.2.2.

Generating the Peano curve and counting occurrences of some patterns

Kitaev, S., Mansour, T. & Seebold, P., Oct 2004, In: Journal of Automata, Languages and Combinatorics. 9, 4, p. 439-455 17 p.

Independent sets on path-schemes

Kitaev, S., Jun 2004, (Unpublished) p. 88.

The problem of the pawns

Kitaev, S. & Mansour, T., May 2004, In: Annals of Combinatorics. 8, 1, p. 81-91 11 p.

Crucial words and the complexity of some extremal problems for sets of prohibited words

Evdokimov, A. & Kitaev, S., Feb 2004, In: Journal of Combinatorial Theory Series A . 105, 2, p. 273-289 17 p.

On multi-avoidance of right angled numbered polyomino patterns

Kitaev, S., 2004, In: Integers: Electronic Journal of Combinatorial Number Theory. 4, 20 p., A21.

The sigma-sequence and counting occurrences of some patterns, subsequences and subwords

Kitaev, S., 2004, In: Australasian Journal of Combinatorics. 29, p. 187-200 14 p.

Partially ordered generalized patterns and k-ary words

Kitaev, S. & Mansour, T., Jul 2003, In: Annals of Combinatorics. 7, 2, p. 191-200 10 p.

Generalized pattern avoidance with additional restrictions

Kitaev, S., Mar 2003, In: Séminaire Lotharingien de Combinatoire. 48, 19 p., B48e.

Multi-avoidance of generalised patterns

Kitaev, S., 6 Jan 2003, In: Discrete Mathematics. 260, 1-3, p. 89-100 12 p.

Generalized Patterns in Words and Permutations

Kitaev, S., 2003, Gothenburg, Sweden.

There are no iterated morphisms that define the Arshon sequence and the sigma-sequence

Kitaev, S., 2003, In: Journal of Automata, Languages and Combinatorics. 8, 1, p. 43-50 8 p.

Partially ordered generalized patterns

Kitaev, S., Jul 2002. 15 p.

Projects**10th Nordic Combinatorial Conference 2010, Reykjavik University**

Kitaev, S.

10th annual conference on Permutation Patterns 2012

Kitaev, S.

23rd International Conference on Formal Power Series and Algebraic Combinatorics, Reykjavik University

Kitaev, S.

4th annual conference on Permutation Patterns 2006, Reykjavik University

Kitaev, S.

Global Engagements: Sergey Kitaev University of California, San Diego (UCSD)

Kitaev, S.

7/04/14 → 6/04/15

Riordan graphs

Kitaev, S.

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