Sergii L Kryvyi

List of Publications by Year
in descending order

		1306789	1372195
40 papers	**133** citations	**7** h-index	**10** g-index
40 all docs	**40** docs citations	**40** times ranked	**28** citing authors

#	ARTICLE	IF	CITATIONS
1	The Mathematical Safe Problem and Its Solution (Part 2). Cybernetics and Computer Technologies, 2021, , 16-28.	0.0	0
2	The Mathematical Safe Problem and Its Solution (Part 1). Cybernetics and Computer Technologies, 2020, , 15-38.	0.0	1
3	Encryption system based on abelian groups and rings. Problems in Programming, 2020, , 270-277.	0.1	2
4	Partitioning a Set of Vectors with Nonnegative Integer Coordinates Using Logical Hardware. Cybernetics and Systems Analysis, 2018, 54, 310-319.	0.4	4
5	Transition systems as method of designing applications in GPGPU technology. Problems in Programming, 2018, , 012-020.	0.1	1
6	Ontological similar systems for analysis of texts of natural language. Problems in Programming, 2018, , 132-139.	0.1	5
7	Design and Model Justification of GPU-Based Applications. Upravlyayushchie Sistemy I Mashiny, 2018, , 46-56.	0.2	1
8	Design of Grid Structures on the Basis of Transition Systems with the Substantiation of the Correctness of Their Operation. Cybernetics and Systems Analysis, 2017, 53, 105-114.	0.4	10
9	Resource and Energy Optimization Oriented Development of FPGA-Based Adaptive Logical Networks for Classification Problem. Studies in Systems, Decision and Control, 2017, , 195-218.	0.8	7
10	Synthesis of Neural-Like Networks on the Basis of Conversion of Cyclic Hamming Codes. Cybernetics and Systems Analysis, 2017, 53, 627-635.	0.4	15
11	Solution Algorithms for Systems of Linear Equations Over Residue Rings. Cybernetics and Systems Analysis, 2016, 52, 791-801.	0.4	1
12	Synthesis multilevel structure with multiple output. Problems in Programming, 2016, , 048-062.	0.1	0
13	Synthesis of Adaptive Logical Networks on the Basis of Zhegalkin Polynomials. Cybernetics and Systems Analysis, 2015, 51, 969-977.	0.4	7
14	Program Verification: State of the Art, Problems, and Results. II1. Cybernetics and Systems Analysis, 2014, 50, 8-16.	0.4	1
15	Combinatorial Method for Solving Systems of Linear Constraints. Cybernetics and Systems Analysis, 2014, 50, 495-506.	0.4	1
16	Program Verification: State of the Art, Problems, and Results. I. Cybernetics and Systems Analysis, 2013, 49, 805-814.	0.4	2
17	Partitioning the full range of boolean functions based on the threshold and threshold relation. Cybernetics and Systems Analysis, 2012, 48, 459-468.	0.4	8
18	Finite-state automata in information technologies. Cybernetics and Systems Analysis, 2011, 47, 669-683.	0.4	1

#	Article	IF	Citations
19	Formal methods for analysis of discrete systems using a specification language. Cybernetics and Systems Analysis, 2009, 45, 528-543.	0.4	2
20	An algorithm for constructing the basis of the solution set for systems of linear Diophantine equations over the ring of integers. Cybernetics and Systems Analysis, 2009, 45, 875-880.	0.4	3
21	Exploring the properties of MSC documents by translating them into Petri nets. Cybernetics and Systems Analysis, 2009, 45, 997-1003.	0.4	1
22	Algorithms for solution of systems of linear diophantine equations in residue fields. Cybernetics and Systems Analysis, 2007, 43, 171-178.	0.4	11
23	Algorithms for solving systems of linear diophantine equations in residue rings. Cybernetics and Systems Analysis, 2007, 43, 787-798.	0.4	7
24	Algorithms for solving systems of linear diophantine equations in integer domains. Cybernetics and Systems Analysis, 2006, 42, 163-175.	0.4	11
25	Algorithms of Solution of Systems of Linear Diophantine Constraints over the Set {0,1}. Cybernetics and Systems Analysis, 2003, 39, 676-685.	0.4	0
26	Congruent closure algorithms for finite automata and some applications. Cybernetics and Systems Analysis, 1994, 30, 18-27.	0.4	1
27	Implementation of some algorithms of combinatorial group theory in the algebraic programming system APS-1. Cybernetics and Systems Analysis, 1994, 30, 930-937.	0.4	0
28	Implementation of the nielsen algorithm in the algebraic programming system APS-1. Cybernetics and Systems Analysis, 1994, 30, 740-746.	0.4	1
29	Program reduction allowing for additional specifications. Cybernetics and Systems Analysis, 1992, 27, 684-693.	0.4	0
30	Algorithms for minimization of finite acyclic automata and pattern matching in terms. Cybernetics and Systems Analysis, 1991, 27, 324-331.	0.0	6
31	Design of effective automaton-reduction algorithms for some equivalence relations. Cybernetics and Systems Analysis, 1990, 25, 772-782.	0.0	0
32	Iterative methods of program analysis: Equalities and inequalities. Cybernetics and Systems Analysis, 1990, 26, 307-318.	0.0	3
33	Iterative methods of program analysis. Cybernetics and Systems Analysis, 1989, 25, 139-152.	0.0	10
34	Transformation synthesis of efficient algorithms with auxiliary specifications. Cybernetics and Systems Analysis, 1987, 22, 728-737.	0.0	0
35	Efficiency of certain algorithms of combinatorial group theory. Cybernetics and Systems Analysis, 1986, 21, 284-292.	0.0	0
36	Search for invariant linear relationships in programs. Cybernetics and Systems Analysis, 1985, 20, 796-803.	0.0	3

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37	An algorithm to construct the basis of the intersection of finitely generated free groups. Cybernetics and Systems Analysis, 1983, 18, 407-415.	0.0	3
38	An algorithm for finding invariant relations in programs. Cybernetics and Systems Analysis, 1982, 17, 582-590.	0.0	1
39	An efficient algorithm for constructing the basis of a subgroup of a free group. Cybernetics and Systems Analysis, 1982, 17, 407-416.	0.0	3
40	Interactive data structure processing. Cybernetics and Systems Analysis, 1978, 14, 659-665.	0.0	0