

Gennady A Leonov

List of Publications by Year in descending order

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199
papers

5,920
citations

126708

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76769

74
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all docs

201
docs citations

201
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Experiments with the Roots of Fibonacci-like Polynomials as a Window to Mathematics Research. <i>Axioms</i> , 2022, 11, 48.	0.9	0
2	Stabilizing unstable periodic orbits of dynamical systems using delayed feedback control with periodic gain. <i>International Journal of Dynamics and Control</i> , 2018, 6, 601-608.	1.5	3
3	Theory of Differential Inclusions and Its Application in Mechanics. , 2018, , 219-239.		3
4	On the Keldysh problem of flutter suppression. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
5	Hidden attractors localization in Chua circuit via the describing function method. <i>IFAC-PapersOnLine</i> , 2017, 50, 2651-2656.	0.5	18
6	Nonlinear model of the optical Costas loop: pull-in range estimation and hidden oscillations. <i>IFAC-PapersOnLine</i> , 2017, 50, 3325-3330.	0.5	1
7	Hidden Oscillations in Electromechanical Systems. , 2017, , 119-124.		9
8	A Tribute to J. C. Sprott. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750221.	0.7	22
9	Scenario of the Birth of Hidden Attractors in the Chua Circuit. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1730038.	0.7	70
10	A short survey on nonlinear models of QPSK Costas loop. <i>IFAC-PapersOnLine</i> , 2017, 50, 6525-6533.	0.5	3
11	Analytical analysis of a Noseâ€“Hoover generator. <i>Doklady Physics</i> , 2016, 61, 340-342.	0.2	2
12	Lyapunov dimension formula for the global attractor of the Lorenz system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 41, 84-103.	1.7	58
13	Hidden attractors in dynamical systems. <i>Physics Reports</i> , 2016, 637, 1-50.	10.3	531
14	Tutorial on dynamic analysis of the Costas loop. <i>Annual Reviews in Control</i> , 2016, 42, 27-49.	4.4	51
15	Hidden Oscillations In The Closed-Loop Aircraft-Pilot System And Their Prevention* *This work was supported by Russian Science Foundation (project 14-21-00041) and Saint-Petersburg State University.. <i>IFAC-PapersOnLine</i> , 2016, 49, 30-35.	0.5	8
16	Pyragas stabilization of discrete systems via delayed feedback with periodic control gain. <i>IFAC-PapersOnLine</i> , 2016, 49, 56-61.	0.5	5
17	Computation of the lock-in ranges of phase-locked loops with PI filter. <i>IFAC-PapersOnLine</i> , 2016, 49, 36-41.	0.5	8
18	Hidden oscillations in SPICE simulation of two-phase Costas loop with non-linear VCO. <i>IFAC-PapersOnLine</i> , 2016, 49, 45-50.	0.5	27

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19	Lyapunov dimension formulas for Lorenz-like systems. Doklady Mathematics, 2016, 93, 304-306.	0.1	2
20	Hidden attractors in electromechanical systems with and without equilibria. IFAC-PapersOnLine, 2016, 49, 51-55.	0.5	42
21	Computation of lock-in range for classic PLL with lead-lag filter and impulse signals. IFAC-PapersOnLine, 2016, 49, 42-44.	0.5	4
22	Dynamics of the Zeraouliaâ€“Sprott Map Revisited. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650126.	0.7	11
23	Lyapunov dimension formula for the attractor of the Glukhovskiyâ€“Dolzhansky system. Doklady Mathematics, 2016, 93, 42-45.	0.1	4
24	Necessary and sufficient conditions of the existence of homoclinic trajectories and cascade of bifurcations in Lorenz-like systems: birth of strange attractor and 9 homoclinic bifurcations. Nonlinear Dynamics, 2016, 84, 1055-1062.	2.7	10
25	Pull-in range of the PLL-based circuits with proportionally-integrating filterâ€“—This work was supported by Saint-Petersburg State University (project 6.39.416.2014, s. 3-4; project 6.38.505.2014, s. 5.) and Russian Scientific Foundation (project 14-21-00041, s. 6).. IFAC-PapersOnLine, 2015, 48, 720-724.	0.5	7
26	Response of Costas PLL in the Presence of In-band Interference. IFAC-PapersOnLine, 2015, 48, 714-719.	0.5	0
27	Pull-in range of the classical PLL with impulse signals. IFAC-PapersOnLine, 2015, 48, 562-567.	0.5	4
28	Elegant analytic computation of phase detector characteristic for non-sinusoidal signals. IFAC-PapersOnLine, 2015, 48, 960-963.	0.5	3
29	Mathematical models of the Costas loop. Doklady Mathematics, 2015, 92, 594-598.	0.1	4
30	Nonlinear Phase Shift Compensator for Pilot-Induced Oscillations Prevention. , 2015, , .		8
31	Cascade of bifurcations in Lorenz-like systems: Birth of a strange attractor, blue sky catastrophe bifurcation, and nine homoclinic bifurcations. Doklady Mathematics, 2015, 92, 563-567.	0.1	4
32	Method of asymptotic integration for solutions of Lorenz-type systems. Doklady Mathematics, 2015, 91, 352-353.	0.1	0
33	Pyragas stabilizability via feedback with periodic control gain. Doklady Mathematics, 2015, 92, 519-520.	0.1	0
34	Frequency-domain criteria for the global stability of phase synchronization systems. Doklady Mathematics, 2015, 92, 769-772.	0.1	1
35	Rigorous mathematical definitions of the hold-in and pull-in ranges for phase-locked loops. IFAC-PapersOnLine, 2015, 48, 710-713.	0.5	27
36	Discontinuous differential equations: comparison of solution definitions and localization of hidden Chua attractors. IFAC-PapersOnLine, 2015, 48, 408-413.	0.5	5

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37	Analytic Exact Upper Bound for the Lyapunov Dimension of the Shimizu-Morioka System. <i>Entropy</i> , 2015, 17, 5101-5116.	1.1	11
38	Computation of the phase detector characteristic of classical PLL. <i>Doklady Mathematics</i> , 2015, 91, 246-249.	0.1	3
39	Modeling and identification of the Tunisian social system in 2011-2014: bifurcation, revolution, and controlled stabilization. <i>IFAC-PapersOnLine</i> , 2015, 48, 725-729.	0.5	1
40	Pyragas stabilization of discrete systems with delayed feedback and pulse periodic gain. <i>Vestnik St Petersburg University: Mathematics</i> , 2015, 48, 147-156.	0.1	3
41	Convergence-based Analysis of Robustness to Delay in Anti-windup Loop of Aircraft Autopilot—This work was supported by Russian Scientific Foundation (project 14-21-00041) and Saint-Petersburg State University.. <i>IFAC-PapersOnLine</i> , 2015, 48, 144-149.	0.5	4
42	Hidden oscillations in drilling systems with salient pole synchronous motor. <i>IFAC-PapersOnLine</i> , 2015, 48, 700-705.	0.5	6
43	A short survey on Pyragas time-delay feedback stabilization and odd number limitation. <i>IFAC-PapersOnLine</i> , 2015, 48, 706-709.	0.5	19
44	Existence criterion of homoclinic trajectories in the Glukhovskiy-Dolzhan'sky system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 524-528.	0.9	29
45	On differences and similarities in the analysis of Lorenz, Chen, and Lu systems. <i>Applied Mathematics and Computation</i> , 2015, 256, 334-343.	1.4	100
46	Simulation of the classical analog phase-locked loop based circuits. <i>IFAC-PapersOnLine</i> , 2015, 48, 568-573.	0.5	0
47	Multistability: Uncovering hidden attractors. <i>European Physical Journal: Special Topics</i> , 2015, 224, 1405-1408.	1.2	84
48	Lyapunov functions in estimates of attractor dimensions for generalized Rössler systems. <i>Doklady Mathematics</i> , 2015, 91, 5-8.	0.1	2
49	Hidden attractor and homoclinic orbit in Lorenz-like system describing convective fluid motion in rotating cavity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 28, 166-174.	1.7	197
50	Hold-In, Pull-In, and Lock-In Ranges of PLL Circuits: Rigorous Mathematical Definitions and Limitations of Classical Theory. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015, 62, 2454-2464.	3.5	101
51	UAV control with switched GNSS-Estimator navigation system—This work was supported by Russian Scientific Foundation (project 14-21-00041) and Saint-Petersburg State University.. <i>IFAC-PapersOnLine</i> , 2015, 48, 126-131.	0.5	0
52	Nonlinear dynamical model of Costas loop and an approach to the analysis of its stability in the large. <i>Signal Processing</i> , 2015, 108, 124-135.	2.1	48
53	Dynamics and control of the Stewart platform. <i>Doklady Physics</i> , 2014, 59, 405-410.	0.2	12
54	Fishing principle for homoclinic and heteroclinic trajectories. <i>Nonlinear Dynamics</i> , 2014, 78, 2751-2758.	2.7	43

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55	Estimates of the Lyapunov dimension of attractors for generalized Rössler systems. Vestnik St Petersburg University: Mathematics, 2014, 47, 154-158.	0.1	1
56	Modeling, Simulation and Control of Pneumatically Actuated Stewart Platform with Input Quantization. , 2014, , .		2
57	Frequency-domain criterion for the absolute stability of nonlinear systems. Doklady Mathematics, 2014, 90, 654-656.	0.1	0
58	Simulation of Analog Costas Loop Circuits. International Journal of Automation and Computing, 2014, 11, 571-579.	4.5	28
59	Control of pneumatically actuated 6-DOF Stewart platform for driving simulator. , 2014, , .		6
60	Tricomi problem for heteroclinic and homoclinic trajectories. Doklady Mathematics, 2014, 89, 271-275.	0.1	0
61	Rössler systems: Estimates for the dimension of attractors and homoclinic orbits. Doklady Mathematics, 2014, 89, 369-371.	0.1	6
62	Pyragas stabilizability via delayed feedback with periodic control gain. Systems and Control Letters, 2014, 69, 34-37.	1.3	18
63	Hidden periodic oscillations in drilling system driven by induction motor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5872-5877.	0.4	12
64	Delayed feedback stabilization of unstable equilibria. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6818-6825.	0.4	6
65	Hidden attractors in dynamical systems: systems with no equilibria, multistability and coexisting attractors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5445-5454.	0.4	83
66	Nonlinear analysis of classical phase-locked loops in signal's phase space. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8253-8258.	0.4	17
67	Formulas for the Lyapunov dimension of attractors of the generalized Lorenz system. Doklady Mathematics, 2013, 87, 264-268.	0.1	13
68	Criteria for the existence of homoclinic orbits of systems Lu and Chen. Doklady Mathematics, 2013, 87, 220-223.	0.1	20
69	The Tricomi problem on the existence of homoclinic orbits in dissipative systems. Prikladnaya Matematika I Mekhanika, 2013, 77, 296-304.	0.4	11
70	Method of estimating transients in induction machines. Vestnik St Petersburg University: Mathematics, 2013, 46, 151-169.	0.1	0
71	SHILNIKOV CHAOS IN LORENZ-LIKE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350058.	0.7	36
72	Prediction of Hidden Oscillations Existence in Nonlinear Dynamical Systems: Analytics and Simulation. Advances in Intelligent Systems and Computing, 2013, , 5-13.	0.5	17

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73	Analytical-Numerical Methods for Hidden Attractors's Localization: The 16th Hilbert Problem, Aizerman and Kalman Conjectures, and Chua Circuits. Computational Methods in Applied Sciences (Springer), 2013, , 41-64.	0.1	28
74	Analytical-Numerical Localization of Hidden Attractor in Electrical Chua's Circuit. Lecture Notes in Electrical Engineering, 2013, , 149-158.	0.3	34
75	HIDDEN ATTRACTORS IN DYNAMICAL SYSTEMS. FROM HIDDEN OSCILLATIONS IN HILBERT-KOLMOGOROV, AIZERMAN, AND KALMAN PROBLEMS TO HIDDEN CHAOTIC ATTRACTOR IN CHUA CIRCUITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330002.	0.7	677
76	Speed regulation of induction motors with wound rotor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 90-94.	0.4	1
77	Hidden oscillations in stabilization system of flexible launcher with saturating actuators*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 37-41.	0.4	16
78	Hidden oscillations in aircraft flight control system with input saturation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 75-79.	0.4	49
79	Hidden oscillations in drilling system actuated by induction motor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 86-89.	0.4	7
80	Direct torque control of synchronous machines with different connections in feed system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 53-58.	0.4	0
81	Switching algorithm for data fusion of small low-cost UAV navigation system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 206-211.	0.4	10
82	Nonlinear analysis of phase-locked loop with squarer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 80-85.	0.4	0
83	A non-quadratic criterion for stability of forced oscillations and its application to flight control. , 2013, , .		1
84	Hidden Oscillations in Drilling Systems: Torsional Vibrations. Journal of Applied Nonlinear Dynamics, 2013, 2, 83-94.	0.1	9
85	IWCFTA2012 Keynote Speech I - Hidden attractors in dynamical systems: From hidden oscillation in Hilbert-Kolmogorov, Aizerman and Kalman problems to hidden chaotic attractor in Chua circuits. , 2012, , .		6
86	Stability domain analysis of an antiwindup control system for an unstable object. Doklady Mathematics, 2012, 86, 587-590.	0.1	1
87	Asymptotic behavior of solutions of differential equations describing synchronous machines. Doklady Mathematics, 2012, 86, 530-533.	0.1	2
88	Differential equations of Costas loop. Doklady Mathematics, 2012, 86, 723-728.	0.1	15
89	The tricom problem for the Shimizu-Morioka dynamical system. Doklady Mathematics, 2012, 86, 850-853.	0.1	30
90	Lyapunov functions in the attractors dimension theory. Prikladnaya Matematika I Mekhanika, 2012, 76, 129-141.	0.4	35

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91	Nonlinear mathematical models of Costas Loop for general waveform of input signal. , 2012, , .		4
92	Convergence based anti-windup design method and its application to flight control. , 2012, , .		7
93	Aircraft control with anti-windup compensation. Differential Equations, 2012, 48, 1700-1720.	0.1	32
94	Hidden attractor in smooth Chua systems. Physica D: Nonlinear Phenomena, 2012, 241, 1482-1486.	1.3	475
95	Simulation of phase-locked loops in phase-frequency domain. , 2012, , .		3
96	On a special type of stability of differential equations for induction machines with double squirrel-cage rotor. Vestnik St Petersburg University: Mathematics, 2012, 45, 128-135.	0.1	5
97	Global stability and oscillations of dynamical systems describing synchronous electrical machines. Vestnik St Petersburg University: Mathematics, 2012, 45, 157-163.	0.1	7
98	Analytical Method for Computation of Phase-Detector Characteristic. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 633-637.	2.2	67
99	General existence conditions of homoclinic trajectories in dissipative systems. Lorenz, Shimizu and Morioka, Lu and Chen systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3045-3050.	0.9	77
100	Erratum to "The dimension formula for the Lorenz attractor" [Phys. Lett. A 375 (8) (2011) 1179]. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3472-3474.	0.9	7
101	Drilling systems failures and hidden oscillations. , 2012, , .		13
102	Stability of electromechanical models of drilling systems under discontinuous loads. Doklady Physics, 2012, 57, 206-209.	0.2	4
103	The nonlocal reduction method in analyzing the stability of differential equations of induction machines. Doklady Mathematics, 2012, 85, 375-379.	0.1	5
104	Hidden oscillations in nonlinear control systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2506-2510.	0.4	59
105	Analytical-numerical methods for investigation of hidden oscillations in nonlinear control systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2494-2505.	0.4	62
106	Vibrational stabilization and the Brockett problem. Differential Equations, 2011, 47, 1853-1915.	0.1	5
107	Algorithms for finding hidden oscillations in nonlinear systems. The Aizerman and Kalman conjectures and Chua's circuits. Journal of Computer and Systems Sciences International, 2011, 50, 511-543.	0.2	186
108	Algorithms for searching for hidden oscillations in the Aizerman and Kalman problems. Doklady Mathematics, 2011, 84, 475-481.	0.1	83

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109	Computation of phase detector characteristics in synchronization systems. Doklady Mathematics, 2011, 84, 586-590.	0.1	17
110	Upper estimates for the hausdorff dimension of negatively invariant sets of local cocycles. Doklady Mathematics, 2011, 84, 551-554.	0.1	7
111	Frequency oscillations estimates for digital phase-locked loops. Doklady Mathematics, 2011, 84, 761-764.	0.1	6
112	A direct method for calculating Lyapunov quantities of two-dimensional dynamical systems. Proceedings of the Steklov Institute of Mathematics, 2011, 272, 119-126.	0.1	16
113	A Journey to a Mathematical Frontier with Multiple Computer Tools. Technology, Knowledge and Learning, 2011, 16, 87-96.	3.1	3
114	The dimension formula for the Lorenz attractor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1179-1182.	0.9	20
115	Localization of hidden Chua's attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2230-2233.	0.9	616
116	FOUR NORMAL SIZE LIMIT CYCLES IN TWO-DIMENSIONAL QUADRATIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 425-429.	0.7	4
117	Dynamic principles of prognosis and control. , 2011, , .		1
118	Algorithm for construction of counterexamples to Aizerman's and Kalman's conjectures*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 24-28.	0.4	4
119	Analytical-numerical method for attractor localization of generalized Chua's system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 29-33.	0.4	146
120	Localization of the attractor of the differential equations for the solar wind-magnetosphere-ionosphere model. Doklady Physics, 2010, 55, 471-473.	0.2	1
121	On problems of Aizerman and Kalman. Vestnik St Petersburg University: Mathematics, 2010, 43, 148-162.	0.1	11
122	Localization of hidden attractors of the generalized Chua system based on the method of harmonic balance. Vestnik St Petersburg University: Mathematics, 2010, 43, 242-255.	0.1	7
123	Necessary and sufficient conditions for the boundedness of solutions to two-dimensional quadratic systems in a positively invariant half-plane. Doklady Mathematics, 2010, 81, 31-33.	0.1	2
124	Synthesis of two-dimensional quadratic systems with a limit cycle satisfying prescribed initial conditions. Doklady Mathematics, 2010, 81, 236-237.	0.1	2
125	Four limit cycles in quadratic two-dimensional systems with a perturbed first-order weak focus. Doklady Mathematics, 2010, 81, 248-250.	0.1	2
126	Algorithm for constructing counterexamples to the Kalman problem. Doklady Mathematics, 2010, 82, 540-542.	0.1	46

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127	Frequency-domain estimates for the oscillation periods of nonlinear discrete systems. Doklady Mathematics, 2010, 82, 651-654.	0.1	1
128	Algorithm for localizing Chua attractors based on the harmonic linearization method. Doklady Mathematics, 2010, 82, 663-666.	0.1	35
129	Limit cycles of quadratic systems with a perturbed weak focus of order 3 and a saddle equilibrium at infinity. Doklady Mathematics, 2010, 82, 693-696.	0.1	19
130	Limit cycles in quadratic systems with a first-order weak focus. Doklady Mathematics, 2010, 82, 923-926.	0.1	1
131	Lyapunov quantities and limit cycles of two-dimensional dynamical systems. Analytical methods and symbolic computation. Regular and Chaotic Dynamics, 2010, 15, 354-377.	0.3	16
132	Efficient methods in the search for periodic oscillations in dynamical systems. Prikladnaya Matematika I Mekhanika, 2010, 74, 24-50.	0.4	17
133	A criterion for the existence of four limit cycles in quadratic systems. Prikladnaya Matematika I Mekhanika, 2010, 74, 135-143.	0.4	4
134	On the method of harmonic linearization. Automation and Remote Control, 2009, 70, 800-810.	0.4	8
135	On the Aizerman problem. Automation and Remote Control, 2009, 70, 1120-1131.	0.4	4
136	Analysis and synthesis of controlled delay lines. Automation and Remote Control, 2009, 70, 1760-1766.	0.4	0
137	On the harmonic linearization method. Doklady Mathematics, 2009, 79, 144-146.	0.1	5
138	Analysis and synthesis of controlled delay lines for fast digital devices. Doklady Mathematics, 2009, 80, 633-636.	0.1	0
139	Evaluation of the first five Lyapunov exponents for the Liénard system. Doklady Physics, 2009, 54, 131-133.	0.2	6
140	Limit cycles of the liénard equation with discontinuous coefficients. Doklady Physics, 2009, 54, 238-241.	0.2	8
141	The passage through resonance of synchronous electric motors mounted on an elastic base. Prikladnaya Matematika I Mekhanika, 2008, 72, 631-637.	0.4	5
142	Computation of phase detector characteristics in phase locked loops for clock synchronization. Doklady Mathematics, 2008, 78, 643-645.	0.1	16
143	Vladimir Gilelevich Maz'ya (On the occasion of his 70th anniversary). Vestnik St Petersburg University: Mathematics, 2008, 41, 287-289.	0.1	0
144	Mathematical models of phase synchronization systems with quadrature and phase-quadrature units. Automation and Remote Control, 2008, 69, 1475-1485.	0.4	2

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145	HILBERT'S 16TH PROBLEM FOR QUADRATIC SYSTEMS: NEW METHODS BASED ON A TRANSFORMATION TO THE LIENARD EQUATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 877-884.	0.7	13
146	Fibonacci numbers revisited: technology-motivated inquiry into a two-parametric difference equation. <i>International Journal of Mathematical Education in Science and Technology</i> , 2008, 39, 749-766.	0.8	4
147	TIME-VARYING LINEARIZATION AND THE PERRON EFFECTS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 1079-1107.	0.7	208
148	COMPUTATION OF THE FIRST LYAPUNOV QUANTITY FOR THE SECOND-ORDER DYNAMICAL SYSTEM1 1This work was partly supported by the Dutch-Russian scientific cooperation programme 047.017.018, RFBR project 07â€“01â€“00151, and grant of the President of the Russian Federation for supporting young scientists MK-162.2007.1, project of the Ministry of Education and Science of Russia and Government of Saint-Petersburg PD07â€“1.1â€“63. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 87-89.	0.4	4
149	STRANGE ATTRACTORS AND CLASSICAL STABILITY THEORY. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 251-262.	0.4	4
150	Phase synchronization: Theory and applications. <i>Automation and Remote Control</i> , 2006, 67, 1573-1609.	0.4	57
151	Design of Convergent Switched Systems. , 2006, , 291-311.		21
152	Title is missing!. <i>Regular and Chaotic Dynamics</i> , 2006, 11, 281.	0.3	43
153	An astatic phase-locked system for digital signal processors: circuit design and stability. <i>Automation and Remote Control</i> , 2005, 66, 348-355.	0.4	4
154	Estimating the Oscillation Period of Nonlinear Discrete Systems. <i>Automation and Remote Control</i> , 2005, 66, 982-987.	0.4	0
155	Necessary and Sufficient Conditions for the Absolute Stability of Two-Dimensional Time-Varying Systems. <i>Automation and Remote Control</i> , 2005, 66, 1059-1068.	0.4	6
156	First-approximation instability criteria for non-stationary linearizations. <i>Prikladnaya Matematika I Mekhanika</i> , 2004, 68, 827-838.	0.4	3
157	A Modification of Perron's Counterexample. <i>Differential Equations</i> , 2003, 39, 1651-1652.	0.1	4
158	Instability in the first approximation for time-dependent linearizations. <i>Prikladnaya Matematika I Mekhanika</i> , 2002, 66, 323-325.	0.4	3
159	The localization of attractors of the LiÃ©nard equation. <i>Prikladnaya Matematika I Mekhanika</i> , 2002, 66, 387-392.	0.4	1
160	The Brockett Problem for Linear Discrete Control Systems. <i>Automation and Remote Control</i> , 2002, 63, 777-781.	0.4	12
161	Longtime Dynamics in Adaptive Gain Control Systems. , 2002, , 241-254.		0
162	Frequency Theorem in Dynamics of Pendulum-Like Feedback Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001, 34, 1229-1231.	0.4	0

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163	Asymptotic orbital stability conditions for flows by estimates of singular values of the linearization. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 44, 1057-1085.	0.6	11
164	Bounds for attractors and the existence of homoclinic orbits in the Lorenz system. <i>Prikladnaya Matematika I Mekhanika</i> , 2001, 65, 19-32.	0.4	91
165	Linear non-stationary stabilization algorithms and Brockett's problem. <i>Prikladnaya Matematika I Mekhanika</i> , 2001, 65, 777-783.	0.4	7
166	On the Brockett stabilization problem. <i>Doklady Physics</i> , 2001, 46, 268-270.	0.2	4
167	The global stability of two-dimensional systems for controlling angular orientation. <i>Prikladnaya Matematika I Mekhanika</i> , 2000, 64, 855-860.	0.4	1
168	On stability in the first approximation. <i>Prikladnaya Matematika I Mekhanika</i> , 1998, 62, 511-517.	0.4	12
169	Hausdorff and Fractal Dimension Estimates for Invariant Sets of Non-Injective Maps. <i>Zeitschrift Fur Analysis Und Ihre Anwendung</i> , 1998, 17, 207-223.	0.8	11
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171	Local instability and localization of attractors. From stochastic generator to Chua's systems. <i>Acta Applicandae Mathematicae</i> , 1995, 40, 179-243.	0.5	33
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