Vyacheslav I Maksimov

List of Publications by Year
in descending order

138 papers	567 citations	840119 11 h-index	887659 17 g-index
143 all docs	143 docs citations	143 times ranked	61 citing authors

#	Article	IF	Citations
1	Dynamic Discrepancy Method in the Problem of Reconstructing the Input of a System with Time Delay Control. Computational Mathematics and Mathematical Physics, 2021, 61, 359-367.	0.2	2
2	Feedback in a Control Problem for a System with Discontinuous Right-Hand Side. Differential Equations, 2021, 57, 533-552.	0.1	0
3	On dynamical input reconstruction in a distributed second order equation. Journal of Inverse and Ill-Posed Problems, 2021, 29, 707-719.	0.5	2
4	Feedback Tracking Control under Partial Discrete-Time Measurements of the State Vector. Journal of Computer and Systems Sciences International, 2021, 60, 549-558.	0.2	2
5	The methods of dynamical reconstruction of an input in a system of ordinary differential equations. Journal of Inverse and Ill-Posed Problems, 2021, 29, 125-156.	0.5	7
6	Modification of the Dynamic Regularization Method for Linear Parabolic Equations. Differential Equations, 2020, 56, 1452-1462.	0.1	1
7	Tracking the Solution of a Linear Parabolic Equation Using Feedback Laws. Proceedings of the Steklov Institute of Mathematics, 2020, 308, 208-217.	0.1	0
8	Extremal Shift in a Problem of Tracking a Solution of an Operator Differential Equation. Proceedings of the Steklov Institute of Mathematics, 2020, 308, 152-162.	0.1	0
9	Dynamic Input Reconstruction Algorithm for a Nonlinear Equation with Distributed Parameters. Differential Equations, 2020, 56, 641-648.	0.1	1
10	Об одном алгоритме реконструкции возмущения		
11	Guaranteed Control Problem for a Parabolic Equation with Memory. Differential Equations, 2019, 55, 105-112.	0.1	0
12	On dynamical reconstruction of boundary and distributed inputs in a Schlögl equation. Journal of Inverse and Ill-Posed Problems, 2019, 27, 877-889.	0.5	1
13	Tracking the Solution of a Nonlinear System with Partly Measured Coordinates of the State Vector. Proceedings of the Steklov Institute of Mathematics, 2019, 304, 219-235.	0.1	0
14	On the Problem of Input Reconstruction in a Nonlinear System with Constant Delay. Proceedings of the Steklov Institute of Mathematics, 2019, 304, S123-S132.	0.1	0
15	Input Reconstruction in a Dynamic System from Measurements of a Part of Phase Coordinates. Computational Mathematics and Mathematical Physics, 2019, 59, 708-717.	0.2	2
16	Dynamic Reconstruction of Unknown Boundary Disturbances in a Parabolic Equation. Differential Equations, 2019, 55, 1466-1474.	0.1	0
17	Reconstruction of Disturbances in a Nonlinear System from Measurements of Some of the State-Vector Coordinates. Computational Mathematics and Mathematical Physics, 2019, 59, 1771-1780.	0.2	4
18	Каустральный сдвиг в задаче отслеживания решения оператра		

#	Article	IF	Citations
19	On dynamical reconstruction of an input in a linear system under measuring a part of coordinates. Journal of Inverse and Ill-Posed Problems, 2018, 26, 395-410.	0.5	8
20	Control Problem for a Nonlinear Distributed Equation. Differential Equations, 2018, 54, 1449-1455.	0.1	0
21	Dynamic Reconstruction of System Disturbances Using Inaccurate Discrete Measurements of Phase Coordinates. Journal of Computer and Systems Sciences International, 2018, 57, 358-373.	0.2	1
22	Tracking the Solution to a Nonlinear Distributed Differential Equation by Feedback Laws. Numerical Analysis and Applications, 2018, 11, 158-169.	0.2	8
23	On a Control Problem for a Linear System with Measurements of a Part of Phase Coordinates. Proceedings of the Steklov Institute of Mathematics, 2018, 300, 126-135.	0.1	0
24	On Feedback-Principle Control for Systems with Aftereffect Under Incomplete Phase-Coordinate Data. Journal of Mathematical Sciences, 2018, 233, 495-513.	0.1	0
25	On a certain problem on feedback control for a parabolic equation with memory. Differential Equations, 2017, 53, 115-121.	0.1	1
26	An algorithm for dynamic reconstruction of the right-hand side of a second-order equation with distributed parameters. Computational Mathematics and Mathematical Physics, 2017, 57, 1248-1261.	0.2	1
27	On an algorithm for the problem of tracking a trajectory of a parabolic equation. International Journal of Applied Mathematics and Computer Science, 2017, 27, 457-465.	1.5	3
28	Feedback design of differential equations of reconstruction for second–order distributed parameter systems. International Journal of Applied Mathematics and Computer Science, 2017, 27, 467-475.	1.5	0
29	On a guaranteed guidance problem under incomplete information. Proceedings of the Steklov Institute of Mathematics, 2017, 297, 147-158.	0.1	0
30	Problem of guaranteed guidance by measuring part of the state vector coordinates. Differential Equations, 2017, 53, 1449-1457.	0.1	0
31	Some problems of guaranteed control of the Schlögl and FitzHugh-Nagumo systems. Evolution Equations and Control Theory, 2017, 6, 559-586.	0.7	7
32	On the solvability of the problem of guaranteed package guidance to a system of target sets. Vestnik Udmurtskogo Universiteta: Matematika, Mekhanika, Komp'yuternye Nauki, 2017, 27, 344-354.	0.0	2
33	On a problem of linear system control under incomplete information about the phase coordinates. Automation and Remote Control, 2016, 77, 943-958.	0.4	0
34	Input tracking for a parabolic equation on an infinite time interval. Differential Equations, 2016, 52, 1043-1053.	0.1	1
35	Guidance problem for a distributed system with incomplete information on the state coordinates and an unknown initial state. Differential Equations, 2016, 52, 1442-1452.	0.1	2
36	Infinite-horizon boundary control of distributed systems. Computational Mathematics and Mathematical Physics, 2016, 56, 14-25.	0.2	23

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37	On a control algorithm for a linear system with measurements of a part of coordinates of the phase vector. Proceedings of the Steklov Institute of Mathematics, 2016, 292, 197-210.	0.1	3
38	On a modification of the extremal shift method for a second-order differential equation in a Hilbert space. Proceedings of the Steklov Institute of Mathematics, 2016, 293, 137-147.	0.1	0
39	Tracking a given solution of a nonlinear distributed second-order equation. Differential Equations, 2016, 52, 128-132.	0.1	1
40	Game Control Problem for a Phase Field Equation. Journal of Optimization Theory and Applications, 2016, 170, 294-307.	0.8	13
41	Game Control Problem for Systems of Distributed Equations. IFIP Advances in Information and Communication Technology, 2016, , 360-369.	0.5	0
42	Differential guidance game with incomplete information on the state coordinates and unknown initial state. Differential Equations, 2015, 51, 1656-1665.	0.1	6
43	Calculation of the derivative of an inaccurately defined function by means of feedback laws. Proceedings of the Steklov Institute of Mathematics, 2015, 291, 219-231.	0.1	8
44	On guaranteed feedback control of phase field equations with complete and incomplete information. Doklady Mathematics, 2015, 91, 336-340.	0.1	1
45	On an input recovery problem in a linear delay system. Proceedings of the Steklov Institute of Mathematics, 2015, 291, 143-156.	0.1	0
46	On reconstructing unknown characteristics of a nonlinear system of differential equations. Archives of Control Sciences, 2015, 25, 163-176.	1.7	1
47	Mathematical Modeling of the Consequences of Russia's Participation in the Kyoto Protocol: An Optimization Model Approach. Computational Mathematics and Modeling, 2015, 26, 35-51.	0.2	1
48	Dynamic reconstruction of the right-hand side of a hyperbolic equation. Computational Mathematics and Mathematical Physics, 2015, 55, 1004-1014.	0.2	2
49	On designing a reconstruction-control algorithm for an ecological-economic model. Proceedings of the Steklov Institute of Mathematics, 2014, 287, 102-115.	0.1	0
50	Modification of the extremal shift method for delay systems. Differential Equations, 2014, 50, 1516-1525.	0.1	1
51	Application of Feedback Control Methods to Two Models in Environmental Economics. Computational Mathematics and Modeling, 2014, 25, 459-469.	0.2	0
52	On reconstruction of an input of a parabolic equation on an infinite time interval. Russian Mathematics, 2014, 58, 24-34.	0.1	2
53	Robust Control and Stable Inversion of Parabolic Inclusions. Computational Mathematics and Modeling, 2014, 25, 283-296.	0.2	0
54	Algorithm for shadowing the solution of a parabolic equation on an infinite time interval. Differential Equations, 2014, 50, 362-371.	0.1	5

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55	On attaining the prescribed quality of a controlled fourth order system. International Journal of Applied Mathematics and Computer Science, 2014, 24, 75-85.	1.5	4
56	On reconstructing an unknown coordinate of a nonlinear system of differential equations. Opuscula Mathematica, 2014, 34, 257.	0.3	1
57	On a reconstruction algorithm for the trajectory and control in a delay system. Proceedings of the Steklov Institute of Mathematics, 2013, 280, 66-79.	0.1	8
58	On combination of the processes of reconstruction and guaranteeing control. Automation and Remote Control, 2013, 74, 1235-1248.	0.4	9
59	On an algorithm for dynamic reconstruction of the input. Differential Equations, 2013, 49, 88-100.	0.1	5
60	Reconstruction of unknown characteristics in a third-order system. Computational Mathematics and Modeling, 2013, 24, 252-270.	0.2	0
61	An algorithm for reconstructing controls in a uniform metric. Prikladnaya Matematika I Mekhanika, 2013, 77, 212-219.	0.4	5
62	Regularized Extremal Shift in Problems of Stable Control. International Federation for Information Processing, 2013, , 112-121.	0.4	6
63	An algorithm for reconstructing the intensity of a source function. Proceedings of the Steklov Institute of Mathematics, 2012, 277, 170-183.	0.1	0
64	On tracking solutions of parabolic equations. Russian Mathematics, 2012, 56, 35-42.	0.1	11
65	On the 75th birthday of Academician of the Russian Academy of Sciences Yurii Sergeevich Osipov. Proceedings of the Steklov Institute of Mathematics, 2012, 276, 1-3.	0.1	1
66	On the reconstruction of inputs in linear parabolic equations. Proceedings of the Steklov Institute of Mathematics, 2012, 276, 126-137.	0.1	2
67	On dynamical identification of control in a system with time delay. Archives of Control Sciences, 2012, 22, 5-15.	1.7	7
68	On the application of control models technique to investigation of some ecological and economic problems. Archives of Control Sciences, 2012, 22, 399-416.	1.7	0
69	On an algorithm for tracking the motion of the reference system with aftereffect when only part of the coordinates is measured. Differential Equations, 2011, 47, 412-418.	0.1	5
70	Resource-saving tracking problem with infinite time horizon. Differential Equations, 2011, 47, 1004-1013.	0.1	14
71	The tracking of the trajectory of a dynamical system. Prikladnaya Matematika I Mekhanika, 2011, 75, 667-674.	0.4	25
72	Some algorithms for the dynamic reconstruction of inputs. Proceedings of the Steklov Institute of Mathematics, 2011, 275, 86-120.	0.1	25

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73	An algorithm for dynamic reconstruction of input disturbances from observations of some of the coordinates. Computational Mathematics and Mathematical Physics, 2011, 51, 942-951.	0.2	5
74	On one algorithm for solving the problem of source function reconstruction. International Journal of Applied Mathematics and Computer Science, 2010, 20, 239-247.	1.5	4
75	Tracking a reference solution of a control system of phase field equations. Proceedings of the Steklov Institute of Mathematics, 2010, 271, 138-148.	0.1	0
76	On the reconstruction of unknown characteristics of a distributed system using a regularized extremal shift. Proceedings of the Steklov Institute of Mathematics, 2010, 268, 188-203.	0.1	1
77	On one problem of tracking a given trajectory. Proceedings of the Steklov Institute of Mathematics, 2010, 269, 226-235.	0.1	0
78	Resource-saving infinite-horizon tracking under uncertain input. Applied Mathematics and Computation, 2010, 217, 1135-1140.	1.4	10
79	Control reconstruction under changes of part of the coordinates of a nonlinear delay dynamical system. Differential Equations, 2010, 46, 1188-1201.	0.1	1
80	Analysis of Differential Inclusions: Feedback Control Method. Springer Optimization and Its Applications, 2010, , 259-275.	0.6	0
81	N.N. Krasovskiiâ€™s extremal shift method and problems of boundary control. Automation and Remote Control, 2009, 70, 577-588.	0.4	17
82	On one algorithm of input action reconstruction for linear systems. Journal of Computer and Systems Sciences International, 2009, 48, 681-690.	0.2	7
83	Method of controlled models in the problem of reconstructing a boundary input. Proceedings of the Steklov Institute of Mathematics, 2008, 262, 170-178.	0.1	2
84	Reconstruction of the right-hand side of a parabolic equation. Computational Mathematics and Mathematical Physics, 2008, 48, 641-647.	0.2	1
85	On rough inversion of a dynamical system with a disturbance. Journal of Inverse and Ill-Posed Problems, 2008, 16, .	0.5	8
86	On feedback identification of unknown characteristics: a bioreactor case study. International Journal of Control, 2008, 81, 134-145.	1.2	17
87	Reconstruction of controls in exponentially stable linear systems subjected to small perturbations. Prikladnaya Matematika I Mekhanika, 2007, 71, 851-861.	0.4	7
88	The method of controlled models in the problem of reconstruction of a nonlinear delay system. Differential Equations, 2007, 43, 37-42.	0.1	1
89	An inverse problem for a system of parabolic equations. Differential Equations, 2007, 43, 371-380.	0.1	0
90	On the reconstruction of controls in a parabolic equation. Differential Equations, 2007, 43, 1585-1593.	0.1	2

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91	Lyapunov function method in input reconstruction problems of systems with aftereffect. Journal of Mathematical Sciences, 2007, 140, 832-849.	0.1	4
92	A control problem under incomplete information. Automation and Remote Control, 2006, 67, 461-471.	0.4	10
93	Equations for the continuous estimation of the perturbations of dynamical systems. Prikladnaya Matematika I Mekhanika, 2006, 70, 696-705.	0.4	3
94	Dynamical state reconstruction and guaranteeing control for a system of parabolic equations. Proceedings of the Steklov Institute of Mathematics, 2006, 253, S168-S184.	0.1	0
95	On identification of nonobservable contamination inputs. Environmental Modelling and Software, 2005, 20, 1057-1061.	1.9	7
96	Dynamical Reconstruction and Feedback Robust Control of Parabolic Inclusions. , 2005, , 261-267.		0
97	On exact stabilization of an uncertain dynamical system. Journal of Inverse and Ill-Posed Problems, 2004, 12, 145-182.	0.5	3
98	A deconvolution problem related to a singular system. Journal of Mathematical Analysis and Applications, 2004, 292, 60-72.	0.5	8
99	A Recursive Deconvolution Approach to Disturbance Reduction. IEEE Transactions on Automatic Control, 2004, 49, 907-921.	3.6	24
100	Realization of a Predefined Motion in a Hereditary System. Automation and Remote Control, 2003, 64, 748-756.	0.4	0
101	Dynamic Reconstruction of Unbounded Controls in a Parabolic Equation. Differential Equations, 2003, 39, 23-30.	0.1	2
102	A Boundary Control Problem for a Nonlinear Parabolic Equation. Differential Equations, 2003, 39, 1626-1632.	0.1	1
103	Feedback Robust Control for a Parabolic Variational Inequality. , 2003, , 123-134.		2
104	On a dynamical identification of controls in nonlinear time-lag systems. IMA Journal of Mathematical Control and Information, 2002, 19, 173-184.	1.1	9
105	DYNAMICAL ESTIMATION OF AN INPUT IN NONLINEAR DIFFERENTIAL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 199-204.	0.4	0
106	Dynamic Input Reconstruction for a Nonlinear Time-Delay System. Automation and Remote Control, 2002, 63, 171-180.	0.4	4
107	Block Models of Lithosphere Dynamics: Approach and Algorithms. Lecture Notes in Computer Science, 2002, , 572-579.	1.0	2
108	Problems of dynamical identification of differential-functional control systems. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 3905-3917.	0.6	4

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109	Dynamical reconstruction of unknown inputs in nonlinear differential equations. Applied Mathematics Letters, 2001, 14, 725-730.	1.5	4
110	The reconstruction of unbounded controls in non-linear dynamical systems. Prikladnaya Matematika I Mekhanika, 2001, 65, 371-376.	0.4	12
111	An Extremal Problem in a Hilbert Space. Differential Equations, 2001, 37, 141-143.	0.1	1
112	On dynamical reconstruction of control in a system with time delay. Finite-dimensional models. Journal of Inverse and Ill-Posed Problems, 2001, 9, .	0.5	3
113	Problems of dynamical reconstruction and robust boundary control: the case of the Dirichlet boundary conditions. Journal of Inverse and Ill-Posed Problems, 2001, 9, 149-162.	0.5	14
114	Dynamical identification of unknown characteristics in systems of the second order. , 2001, , .		0
115	Feedback minimax control for parabolic variational inequality. Comptes Rendus De L'Academie De Sciences - Serie IIb: Mecanique, Physique, Chimie, Astronomie, 2000, 328, 105-108.	0.1	3
116	A positional control problem for a nonlinear parabolic system. Differential Equations, 2000, 36, 1202-1210.	0.1	0
117	Dynamic inverse problems for parabolic systems. Differential Equations, 2000, 36, 643-661.	0.1	21
118	The problem of dynamical reconstruction of Dirichlet boundary control in semilinear hyperbolic equations. Journal of Inverse and Ill-Posed Problems, 2000, 8, 399-420.	0.5	10
119	The reconstruction of controls in non-linear distributed systems. Prikladnaya Matematika I Mekhanika, 1999, 63, 677-684.	0.4	1
120	Dynamical Reconstruction of Inputs for Contraction Semigroup Systems: Boundary Input Case. Journal of Optimization Theory and Applications, 1999, 103, 401-420.	0.8	15
121	On the dynamic solution of an operator inverse problem. Computational Mathematics and Modeling, 1999, 10, 21-27.	0.2	0
122	On the Reconstruction of a Pair "Control-Trajectory" in a System with an Aftereffect. Journal of Automation and Information Sciences, 1999, 31, 26-35.	0.7	0
123	On a Certain Probability Approach to the Quantitative Description of Dynamics of Natural Processes. Journal of Automation and Information Sciences, 1998, 30, 51-69.	0.7	0
124	An inverse problem for a system with a moving boundary. Computational Mathematics and Modeling, 1997, 8, 217-225.	0.2	0
125	Dynamical inverse problems for systems with distributed parameters. Journal of Inverse and Ill-Posed Problems, 1996, 4, .	0.5	9
126	On the stable reconstruction of controls in nonlinear distributed systems. Journal of Optimization Theory and Applications, 1994, 82, 485-501.	0.8	0

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127	Constructive description of classes of harmonic functions with singularities on continua without zero exterior angles. Ukrainian Mathematical Journal, 1990, 42, 60-65.	0.1	0
128	Dynamic simulation of controls in certain parabolic systems. Prikladnaya Matematika I Mekhanika, 1990, 54, 293-297.	0.4	3
129	Dynamic modelling of unknown perturbations in parabolic variational inequalities. Prikladnaya Matematika I Mekhanika, 1988, 52, 579-585.	0.4	0
130	Method for the determination of the minimax. Cybernetics and Systems Analysis, 1987, 23, 91-99.	0.0	0
131	Dynamical reconstruction of time-lags and controls in neutral systems. Ukrainian Mathematical Journal, 1984, 35, 616-622.	0.1	0
132	On positional simulation in dynamic systems. Prikladnaya Matematika I Mekhanika, 1983, 47, 709-714.	0.4	9
133	On the existence of a saddle point in a difference-differential encounter-evasion game. Prikladnaya Matematika I Mekhanika, 1978, 42, 13-20.	0.4	0
134	Approximation in linear difference- differential games. Prikladnaya Matematika I Mekhanika, 1978, 42, 212-219.	0.4	2
135	Linear differential encounter game with a functional target. Prikladnaya Matematika I Mekhanika, 1976, 40, 201-208.	0.4	0
136	An alternative in the differential-difference game of approach â€" evasion with a functional target. Prikladnaya Matematika I Mekhanika, 1976, 40, 936-943.	0.4	3
137	On a robust control of a parabolic obstacle problem. , 0, , .		0
138	Dynamic reconstruction for nonlinear equations describing the process of innovation diffusion. Applied Mathematical Sciences, 0, 8, 2941-2950.	0.0	0