

Kiyotaka Yamamura

List of Publications by Year in descending order

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44
papers

327
citations

933447

10
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888059

17
g-index

44
all docs

44
docs citations

44
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Interval solution of nonlinear equations using linear programming. BIT Numerical Mathematics, 1998, 38, 186-199.	2.0	65
2	Finding all solutions of piecewise-linear resistive circuits using the dual simplex method. International Journal of Circuit Theory and Applications, 2002, 30, 567-586.	2.0	36
3	An algorithm for finding all solutions of piecewise-linear resistive circuits. International Journal of Circuit Theory and Applications, 1996, 24, 223-231.	2.0	29
4	Finding all solutions of nonlinear equations using the dual simplex method. Journal of Computational and Applied Mathematics, 2003, 152, 587-595.	2.0	24
5	Finding all Solutions of Systems of Nonlinear Equations Using the Dual Simplex Method. BIT Numerical Mathematics, 2002, 42, 214-230.	2.0	17
6	Finding all solutions of separable systems of piecewise-linear equations using integer programming. Journal of Computational and Applied Mathematics, 2012, 236, 2844-2852.	2.0	16
7	LP narrowing: A new strategy for finding all solutions of nonlinear equations. Applied Mathematics and Computation, 2009, 215, 405-413.	2.2	15
8	Finding All Solutions of Nonlinear Equations Using Linear Combinations of Functions. Reliable Computing, 2000, 6, 105-113.	0.8	14
9	Formulating hybrid equations and state equations for nonlinear circuits using SPICE. International Journal of Circuit Theory and Applications, 2013, 41, 101-110.	2.0	12
10	Performance evaluation of the LP test algorithm for finding all solutions of piecewise-linear resistive circuits. International Journal of Circuit Theory and Applications, 2000, 28, 501-506.	2.0	11
11	An interval algorithm for finding all solutions of non-linear resistive circuits. International Journal of Circuit Theory and Applications, 2004, 32, 47-55.	2.0	11
12	An efficient algorithm for finding all DC solutions of piecewise-linear circuits. International Journal of Circuit Theory and Applications, 2008, 36, 989-1000.	2.0	9
13	Coexistence curve of polystyrene in methylcyclohexane. X. Two-phase coexistence curves for ternary solutions near the tricritical compositions. Journal of Chemical Physics, 1999, 111, 6617-6624.	3.0	8
14	An efficient algorithm for finding all solutions of separable systems of nonlinear equations. BIT Numerical Mathematics, 2007, 47, 681-691.	2.0	8
15	Finding all solutions of a class of nonlinear equations using an improved LP test. Japan Journal of Industrial and Applied Mathematics, 1999, 16, 349-368.	0.9	6
16	Finding all solutions of weakly nonlinear equations using the dual simplex method. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgB0, Overlock 10 Tf 50		
17	FINDING ALL SOLUTIONS OF PIECEWISE-LINEAR RESISTIVE CIRCUITS WITH HIGH APPROXIMATION ACCURACY. Journal of Circuits, Systems and Computers, 2006, 15, 389-398.	1.5	5
18	Finding all solution sets of piecewise-linear interval equations using integer programming. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	DC TOLERANCE ANALYSIS OF NONLINEAR CIRCUITS USING SET-VALUED FUNCTIONS. Journal of Circuits, Systems and Computers, 2008, 17, 785-796.	1.5	4
20	Finding all solutions of piecewise-linear resistive circuits using integer programming. , 2011, , .		3
21	DC Operating Point Analysis of Transistor Circuits Using the Variable-Gain Homotopy Method. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1042-1050.	0.3	3
22	Improvement of the contraction-type LP test algorithm for finding all solutions of piecewise-linear resistive circuits. International Journal of Circuit Theory and Applications, 2001, 29, 403-411.	2.0	2
23	Finding all characteristic curves of nonlinear resistive circuits using linear programming. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq1 1 0.784314 r0BT /Overlock 10 T 5		2
24	Finding All Solution Sets of Piecewise-Trapezoidal Equations Described by Set-Valued Functions. Reliable Computing, 2003, 9, 241-250.	0.8	2
25	A SPICE-Oriented Method for Finding DC Operating Points of Nonlinear Circuits Containing Piecewise-Linear Macromodels. , 2006, , .		2
26	An efficient algorithm for finding all DC solutions of nonlinear circuits using LP narrowing. , 2009, , .		2
27	Characteristic analysis and tolerance analysis of nonlinear resistive circuits using integer programming. , 2014, , .		1
28	Finding all DC solutions of nonlinear circuits using parallelogram LP test. , 2015, , .		1
29	A modified predictor-corrector method for tracing solution curves. , 2016, , .		1
30	A simple method for finding all characteristic curves of piecewise-linear resistive circuits using an integer programming solver. , 2016, , .		1
31	Finding all solutions of piecewise-linear resistive circuits using excel. , 2016, , .		1
32	Complete Analysis of Piecewise-Linear Resistive Circuits using Integer Programming. , 2017, , .		1
33	Finding All Solutions of Piecewise-Linear Resistive Circuits Using Triangular LP Test. , 2018, , .		1
34	Finding all solution sets of piecewise-linear interval equations using an integer programming solver. Journal of Computational and Applied Mathematics, 2020, 372, 112616.	2.0	1
35	An efficient algorithm for finding all solutions of nonlinear equations using parallelogram LP test. Journal of Computational and Applied Mathematics, 2021, 382, 113080.	2.0	1
36	An Efficient and Practical Algorithm for Finding All DC Solutions of Nonlinear Circuits Using GLPK. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 638-642.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Finding all solutions of nonlinear resistive circuits by interval analysis. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.784314 rgBT (Overlock	0.784314	0
38	Finding all solutions of piecewise-linear circuits by using linear programming. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50	0	0
39	A SPICE-Oriented Method for Finding DC Operating Points of Nonlinear Circuits Containing One-Port Macromodels. Midwest Symposium on Circuits and Systems, 2006, , .	1.0	0
40	DC Tolerance Analysis of Nonlinear Circuits Using Set-Valued Functions. , 2007, , .		0
41	Finding all solutions of piecewise-linear resistive circuits using separable programming. , 2013, , .		0
42	An Efficient Method for Finding All Characteristic Curves of Piecewise-Linear Resistive Circuits Using Integer Programming. , 2019, , .		0
43	Finding All Solutions of Piecewise-Linear Resistive Circuits Using Separable Programming. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1037-1041.	0.3	0
44	Characteristic Analysis and Tolerance Analysis of Nonlinear Resistive Circuits Using Integer Programming. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 710-719.	0.3	0