Kiyotaka Yamamura

List of Publications by Year
in descending order

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44	327	933264	887953
papers	citations	10 h-index	17 g-index

44	44	44	75
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient algorithm for finding all solutions of nonlinear equations using parallelogram LP test. Journal of Computational and Applied Mathematics, 2021, 382, 113080.	1.1	1
2	Finding all solution sets of piecewise-linear interval equations using an integer programming solver. Journal of Computational and Applied Mathematics, 2020, 372, 112616.	1.1	1
3	An Efficient Method for Finding All Characteristic Curves of Piecewise-Linear Resistive Circuits Using Integer Programming. , 2019, , .		0
4	Finding All Solutions of Piecewise-Linear Resistive Circuits Using Triangular LP Test. , 2018, , .		1
5	Complete Analysis of Piecewise-Linear Resistive Circuits using Integer Programming. , 2017, , .		1
6	Finding all solution sets of piecewise-linear interval equations using integer programming. , 2017, , .		5
7	A modified predictor-corrector method for tracing solution curves. , 2016, , .		1
8	A simple method for finding all characteristic curves of piecewise-linear resistive circuits using an integer programming solver. , 2016, , .		1
9	Finding all solutions of piecewise-linear resistive circuits using excel. , 2016, , .		1
10	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.	0.2	0
11	Finding all DC solutions of nonlinear circuits using parallelogram LP test. , 2015, , .		1
12	Characteristic analysis and tolerance analysis of nonlinear resistive circuits using integer programming. , 2014, , .		1
13	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.	0.2	3
14	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.	0.2	0
15	Formulating hybrid equations and state equations for nonlinear circuits using SPICE. International Journal of Circuit Theory and Applications, 2013, 41, 101-110.	1.3	12
16	Finding all solutions of piecewise-linear resistive circuits using separable programming. , 2013, , .		0
17	Finding all solutions of separable systems of piecewise-linear equations using integer programming. Journal of Computational and Applied Mathematics, 2012, 236, 2844-2852.	1.1	16
18	Finding all solutions of piecewise-linear resistive circuits using integer programming. , 2011, , .		3

#	Article	IF	Citations
19	An efficient algorithm for finding all DC solutions of nonlinear circuits using LP narrowing. , 2009, , .		2
20	LP narrowing: A new strategy for finding all solutions of nonlinear equations. Applied Mathematics and Computation, 2009, 215, 405-413.	1.4	15
21	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.	0.2	1
22	An efficient algorithm for finding all DC solutions of piecewiseâ€linear circuits. International Journal of Circuit Theory and Applications, 2008, 36, 989-1000.	1.3	9
23	DC TOLERANCE ANALYSIS OF NONLINEAR CIRCUITS USING SET-VALUED FUNCTIONS. Journal of Circuits, Systems and Computers, 2008, 17, 785-796.	1.0	4
24	DC Tolerance Analysis of Nonlinear Circuits Using Set-Valued Functions. , 2007, , .		0
25	An efficient algorithm for finding all solutions of separable systems of nonlinear equations. BIT Numerical Mathematics, 2007, 47, 681-691.	1.0	8
26	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 rgBT /Overlock 10 Tf 50 4	0.1	3
27	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
28	FINDING ALL SOLUTIONS OF PIECEWISE-LINEAR RESISTIVE CIRCUITS WITH HIGH APPROXIMATION ACCURACY. Journal of Circuits, Systems and Computers, 2006, 15, 389-398.	1.0	5
29	A SPICE-Oriented Method for Finding DC Operating Points of Nonlinear Circuits Containing Piecewise-Linear Macromodels. , 2006, , .		2
30	An interval algorithm for finding all solutions of non-linear resistive circuits. International Journal of Circuit Theory and Applications, 2004, 32, 47-55.	1.3	11
31	Finding All Solution Sets of Piecewise-Trapezoidal Equations Described by Set-Valued Functions. Reliable Computing, 2003, 9, 241-250.	0.8	2
32	Finding all solutions of nonlinear equations using the dual simplex method. Journal of Computational and Applied Mathematics, 2003, 152, 587-595.	1.1	24
33	Finding all solutions of piecewise-linear resistive circuits using the dual simplex method. International Journal of Circuit Theory and Applications, 2002, 30, 567-586.	1.3	36
34	Finding all Solutions of Systems of Nonlinear Equations Using the Dual Simplex Method. BIT Numerical Mathematics, 2002, 42, 214-230.	1.0	17
35	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.	1.3	2
36	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 5	0.1	3

#	Article	IF	Citations
37	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 rgBT /Overlock 10 T	0.2	2
38	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.	1.3	11
39	Finding All Solutions of Nonlinear Equations Using Linear Combinations of Functions. Reliable Computing, 2000, 6, 105-113.	0.8	14
40	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.	1.2	8
41	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.	0.5	6
42	Interval solution of nonlinear equations using linear programming. BIT Numerical Mathematics, 1998, 38, 186-199.	1.0	65
43	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	0.1	0
44	An algorithm for finding all solutions of piecewise-linear resistive circuits. International Journal of Circuit Theory and Applications, 1996, 24, 223-231.	1.3	29