All optimal Hankel-norm approximations of linear mult boundsâ€

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Citation Report

#	Article	IF	Citations
1	Closed-loop identification of the K-B and d-Y parameters. , 0, , .		0
2	Model reduction for non-minimal state-space systems. , 0, , .		2
3	Balanced truncation with relative/multiplicative error bounds in L/sub $\hat{a}^*z/$ norm. , $0,$, .		1
4	Hankel approximation of commensurate input delay systems. , 0, , .		6
5	Controller design for distributed systems baesd on Hankel-norm approximations. , 1984, , .		4
6	Practical Aspects of Industrial Multivariable Process Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1985, 18, 201-206.	0.4	5
7	Balanced Realisations in System Identification. IFAC Postprint Volumes IPPV $\!\!\!/$ International Federation of Automatic Control, 1985, 18, 1823-1827.	0.4	4
8	Frequency-weighted optimal Hankel-norm approximation of stable transfer functions. Systems and Control Letters, 1985, 5, 229-236.	1.3	129
9	On the Hankel-norm approximation of linear stochastic systems. Systems and Control Letters, 1985, 5, 283-288.	1.3	10
10	A note on the Hankel norm. Systems and Control Letters, 1985, 6, 37-38.	1.3	O
11	Spectral factor reduction by phase matching: the continuous-time single-input single-output caseâ€. International Journal of Control, 1985, 42, 43-63.	1.2	15
12	Iterative computation of minimal H [∞] norm., 1985,,.		11
13	Reduced order compensator design for an experimental large flexible structure. , 1985, , .		2
14	Weighted sensitivity minimization for delay systems. , 1985, , .		6
15	The optimal projection equations for model reduction and the relationships among the methods of Wilson, Skelton, and Moore. IEEE Transactions on Automatic Control, 1985, 30, 1201-1211.	3.6	212
16	LQG balancing and reduced LQG compensation of symmetric passive systemsâ€. International Journal of Control, 1985, 41, 73-109.	1.2	58
17	Model reduction via a quasi-Kalman decomposition. IEEE Transactions on Automatic Control, 1985, 30, 786-790.	3.6	6
18	The Hankel operator and its induced norms. International Journal of Control, 1985, 42, 65-70.	1.2	16

#	Article	IF	CITATIONS
19	Structured uncertainty in control system design. , 1985, , .		367
20	Power spectrum reduction by optimal Hankel norm approximation of the phase of the outer spectral factor. IEEE Transactions on Automatic Control, 1985, 30, 1192-1201.	3.6	44
21	The general distance problem in H [∞] synthesis., 1985,,.		7
22	Roundoff noise minimization and pole-zero sensitivity in fixed-point digital filters using residue feedback. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 1210-1220.	2.0	77
23	Computing the Singular Value Decomposition of a Product of Two Matrices. SIAM Journal on Scientific and Statistical Computing, 1986, 7, 1147-1159.	1.5	90
24	Generator On-Line State Estimation and Optimal Control: Laboratory Implementation and Prospects for Development. IEEE Transactions on Energy Conversion, 1986, EC-1, 55-60.	3.7	7
25	Robust control: A historical review., 1986,,.		4
26	Balanced approximation of two-dimensional and delay-differential systems. , 1986, , .		22
27	The quantitative design of robust multivariable control systems. , 1986, , .		0
28	Weighted sensitivity minimization for delay systems. IEEE Transactions on Automatic Control, 1986, 31, 763-766.	3. 6	119
29	A Lyapunov theory for linear time-delay systems. IEEE Transactions on Automatic Control, 1986, 31, 259-261.	3.6	27
30	H [∞] optimal control of a synchronous turbo-generator. , 1986, , .		11
31	Optimal H< sup & gt; & amp; $\#$ x0221E; & lt; /sup & gt; synthesis of robust controllers for systems with structured uncertainty., 1986, , .		8
32	Generator On-Line State Estimation and Optimal Control: Laboratory Implementation and Prospects for Development. IEEE Power Engineering Review, 1986, PER-6, 26-27.	0.1	1
33	Left Versus Right Canonical Wiener-Hopf Factorization. , 1986, , 9-38.		11
34	Robust Stabilization of a Family of Plants with Varying Number of Right Half Plane Poles. , 1986, , .		19
35	Design of Optimal Control Systems with Stable Feedback. , 1986, , .		17
36	An Overview of Control Theory Applicable to Process Industries. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1986, 19, 1-5.	0.4	O

#	Article	IF	Citations
37	Balanced realisations for infinite-dimensional discrete-time systems., 1986,, 181-187.		3
38	Minimum Sensitive Hessenberg Representations with Connections to Model Reduction. Lecture Notes in Control and Information Sciences, 1986, , 555-566.	0.6	0
39	Controller design for distributed systems based on Hankel-norm approximations. IEEE Transactions on Automatic Control, 1986, 31, 173-176.	3.6	31
40	Developments in computer-aided control system design. CAD Computer Aided Design, 1986, 18, 552-557.	1.4	2
41	Optimal performance and robust stabilization. Automatica, 1986, 22, 171-183.	3.0	16
42	Weighted Hankel-norm approximation: Calculation of bounds. Systems and Control Letters, 1986, 7, 247-255.	1.3	38
43	An Hâ^ž-minimax approach to the design of robust control systems, part II: All solutions, all-pass form solutions and the †best' solution. Systems and Control Letters, 1986, 7, 261-268.	1.3	18
44	Structural state space sensitivity in linear systems. Systems and Control Letters, 1986, 7, 301-307.	1.3	6
45	Robust stabilization of infinite dimensional systems by finite dimensional controllers. Systems and Control Letters, 1986, 7, 41-47.	1.3	112
46	Optimal Hankel-norm approximation of stable systems with first-order stable weighting functions. Systems and Control Letters, 1986, 7, 165-172.	1.3	42
47	Transfer functions and operator theory. Linear Algebra and Its Applications, 1986, 84, 33-61.	0.4	21
48	Controller reduction via stable factorization and balancing. International Journal of Control, 1986, 44, 507-531.	1.2	113
49	On balancing linear symmetric systems. International Journal of Systems Science, 1986, 17, 1509-1519.	3.7	14
50	The general distance problem inHâ^žoptimal control theory. International Journal of Control, 1986, 44, 565-596.	1.2	63
51	Balanced realisation and Hankel-norm approximation of systems involving delays. , 1986, , .		20
52	Balanced, Normal, and Intermediate Realizations of Nonrational Transfer Functions. IMA Journal of Mathematical Control and Information, 1986, 3, 43-58.	1.1	5
53	On approximate recursive prediction of stationary stochastic processes. Stochastics, 1986, 17, 125-143.	0.6	7
54	A controller degree bound for H& #x0221E;-optimal control problems of the second kind., 1986,,.		10

#	Article	IF	Citations
55	Robust stabilization of linear multivariable systems: relations to approximation. International Journal of Control, 1986, 43, 741-766.	1.2	140
56	On model reduction. , 1986, , .		18
57	Robust stabilization via nonlinear time-varying feedback. , 1986, , .		0
58	Weighted sensitivity minimization for delay systems. , 1986, , .		2
59	Modelling, Robustness and Sensitivity Reduction in Control Systems. , 1987, , .		4
60	State-Space and Distributed Lag Modelling of Dynamic Economic Processes Based on Singular Value Decompositions (With an Application to the Dutch Economy). Annales D'Economie Et De Statistique, 1987, , 253.	0.2	9
61	Model reductions using a projection formulation. , 1987, , .		38
62	Computational aspects of spectral factorization and the tangential Schur algorithm. , 1987, , .		1
63	Frequency response evaluation of state space designed controllers for systems with lightly damped oscillatory modes-A power system stabilizer example. , 1987, , .		4
64	On the \$H^infty \$-Optimal Sensitivity Problem for Systems with Delays. SIAM Journal on Control and Optimization, 1987, 25, 686-705.	1.1	78
65	Singular value decomposition of an infinite block-hankel matrix and its applications. Numerical Functional Analysis and Optimization, 1987, 9, 881-916.	0.6	7
66	Balanced realizations: canonical form, parametrization, model reduction. International Journal of Control, 1987, 46, 643-670.	1.2	78
67	Unstable rational function approximation. International Journal of Control, 1987, 46, 1783-1801.	1.2	16
68	Balanced approximation of two-dimensional and delay-differential systems. International Journal of Control, 1987, 46, 2199-2218.	1.2	47
69	Using permutation symmetric Jordan realizations to achieve SISO balancing. International Journal of Systems Science, 1987, 18, 441-448.	3.7	8
70	Sensitivity minimization in an H â^ž norm: parametrization of all suboptimal solutions. International Journal of Control, 1987, 46, 785-816.	1.2	105
71	Truncated balanced realization of a stable non-minimal state-space system. International Journal of Control, 1987, 46, 1319-1330.	1.2	183
72	Model reduction with time delay. IEE Proceedings D: Control Theory and Applications, 1987, 134, 349.	0.4	11

#	Article	IF	CITATIONS
73	State-space formulae for the factorization of all-pass matrix functions. International Journal of Control, 1987, 45, 1575-1602.	1,2	7
74	On robust stabilization synthesis for plants with block structured modeling uncertainty. , 1987, , .		8
75	Controller reduction using canonical interactions. , 1987, , .		1
76	Reduced-order compensation: LQG reduction versus optimal projection using a homotopic continuation method., 1987,,.		13
77	State-space approach to approximation by phase matching. International Journal of Control, 1987, 45, 671-679.	1.2	8
78	Inequalities between L-2 and L-infinity norms of strictly proper stable transfer functions. , 1987, , .		0
79	Perturbation analysis of internal balancing for lightly damped mechanical systems with gyroscopic and circulatory forces. Journal of Guidance, Control, and Dynamics, 1987, 10, 406-410.	1.6	20
80	Necessary and sufficient conditions for balancing unstable systems. IEEE Transactions on Automatic Control, 1987, 32, 157-160.	3.6	43
81	Synthesis of positive real multivariable feedback systems. International Journal of Control, 1987, 45, 817-842.	1.2	198
82	Spectral realizations for delay systems. , 1987, , 64-88.		1
83	H â^ž Control System Design: A Critical Assessment Based on Industrial Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 301-306.	0.4	11
84	A Review of \hat{l} for Case Studies in Robust Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 365-372.	0.4	17
85	H â^ž Filtering of Multivariable Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 37-42.	0.4	0
86	Asymptotically Stable All-pass Transfer Functions: Canonical Form, Parametrization and Realization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 181-185.	0.4	13
87	Suppression of Power Pulsations and Voltage Flicker of a Synchronous Generator Driven by a Pulsaing Torque. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 71-76.	0.4	0
88	Model Reduction: A Tutorial on Hankel-Norm Methods and Lower Bounds on L 2 Errors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 293-298.	0.4	16
89	Realization Algorithm for Time-varying Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 67-72.	0.4	2
90	Accurate estimation of closely spaced, real, decaying exponentials in noise. , 0, , .		1

#	Article	IF	CITATIONS
91	Generalization of optimal Hankel-norm and balanced model reduction by bilinear mapping. International Journal of Control, 1987, 45, 1751-1769.	1.2	7
92	L \hat{a} ^ž error bound for the phase matching approximation (the one-step-at-a-time Hankel norm model) Tj ETQq $1\ 1\ 0$.784314 r 1.2	gBT /Over
93	Model reductions using a projection formulation. International Journal of Control, 1987, 46, 2141-2169.	1.2	206
94	State-space algorithm for multivariable phase matching approximation. , 1987, , .		1
95	Computation of system balancing transformations and other applications of simultaneous diagonalization algorithms. IEEE Transactions on Automatic Control, 1987, 32, 115-122.	3.6	451
96	Data reduction in the mixed-sensitivity H [∞] design problem. , 1987, , .		5
97	An Analysis of the Pole-Zero Cancellations in \$H^infty \$-Optimal Control Problems of the First Kind. SIAM Journal on Control and Optimization, 1987, 25, 1457-1493.	1.1	71
98	Linear Control Theory with an \${f H}_infty \$ Optimality Criterion. SIAM Journal on Control and Optimization, 1987, 25, 815-844.	1.1	323
99	A Constructive Algorithm for Sensitivity Optimization of Periodic Systems. SIAM Journal on Control and Optimization, 1987, 25, 334-340.	1.1	24
100	Optimal Hankel Norm Model Reductions and Wiener–Hopf Factorization I: The Canonical Case. SIAM Journal on Control and Optimization, 1987, 25, 362-382.	1.1	93
101	Loop recovery and robust state estimate feedback designs. IEEE Transactions on Automatic Control, 1987, 32, 512-517.	3.6	35
102	A stable state-space realization in the formulation of H ^{â^ž} norm computation. IEEE Transactions on Automatic Control, 1987, 32, 811-815.	3.6	3
103	Nonlinear time-varying controllers for robust stabilization. IEEE Transactions on Automatic Control, 1987, 32, 195-200.	3.6	60
104	Control of linear systems using generalized sampled-data hold functions. IEEE Transactions on Automatic Control, 1987, 32, 772-783.	3.6	404
105	Remarks on stochastic model reduction. IEEE Transactions on Automatic Control, 1987, 32, 356-358.	3.6	8
106	An error bound for a discrete reduced order model of a linear multivariable system. IEEE Transactions on Automatic Control, 1987, 32, 815-819.	3.6	111
107	Factorization of all-pass matrix functions. International Journal of Control, 1987, 45, 215-235.	1.2	8
108	Hankel model reduction without balancing-A descriptor approach. , 1987, , .		39

#	Article	IF	CITATIONS
109	An L ^{â^ž} error bound for the phase approximation problem. IEEE Transactions on Automatic Control, 1987, 32, 517-518.	3.6	7
110	Design of H [∞] -optimal feedback systems., 1987,,.		2
111	Directional interpolation approach to H ^{â^ž} -Optimization and robust stabilization. IEEE Transactions on Automatic Control, 1987, 32, 1085-1093.	3.6	75
112	Global inverse spectral problems for rational matrix functions. Linear Algebra and Its Applications, 1987, 86, 237-282.	0.4	41
113	Optimal Hankel norm model reductions and Wiener-Hopf factorization II: The non-canonical case. Integral Equations and Operator Theory, 1987, 10, 416-436.	0.4	25
114	On the robust stabilizability of uncertain linear time-invariant plants using nonlinear time-varying controllers. Automatica, 1987, 23, 617-624.	3.0	22
115	A comprehensive methodology for SISO system order reduction. Journal of the Franklin Institute, 1987, 323, 1-21.	1.9	5
116	Design of set point regulators for processes involving time delay. AICHE Journal, 1987, 33, 1873-1881.	1.8	5
117	A matrix minimization problem involving ranks. Linear Algebra and Its Applications, 1987, 92, 81-106.	0.4	2
118	Comparison of peak and RMS gains for discrete-time systems. Systems and Control Letters, 1987, 9, 1-6.	1.3	64
119	Hankel norm approximation of real symmetric rational matrix functions. Systems and Control Letters, 1987, 9, 105-115.	1.3	5
120	Non-conventional matrix calculus in the analysis of rank deficient Hankel matrices of finite dimensions. Systems and Control Letters, 1987, 9, 401-410.	1.3	2
121	A note on a system theoretic approach to a conjecture by Peller-Khrushchev. Systems and Control Letters, 1987, 8, 303-306.	1.3	9
122	On the weighted sensitivity minimization problem for delay systems. Systems and Control Letters, 1987, 8, 307-312.	1.3	115
123	Characterization of passive systems through their closed-loop LQG characteristic values. IEEE Transactions on Circuits and Systems, 1987, 34, 324-326.	0.9	4
124	Balanced realization of orthogonally symmetric transfer function matrices. IEEE Transactions on Circuits and Systems, 1987, 34, 997-1010.	0.9	22
125	A historical review of robust control. Control Systems Magazine, 1987, 7, 44-47.	0.1	79
126	A contraction mapping preserving balanced reduction scheme and its infinity norm error bounds. IEEE Transactions on Circuits and Systems, 1988, 35, 184-189.	0.9	88

#	ARTICLE	IF	CITATIONS
127	Hilbert transform and gain/phase error bounds for rational functions. IEEE Transactions on Circuits and Systems, 1988, 35, 528-535.	0.9	23
128	Design of multi-input multi-output systems with minimum sensitivity. IEEE Transactions on Circuits and Systems, 1988, 35, 1114-1122.	0.9	44
129	Balanced minimal realization via singular value decomposition of Sarason operator. Automatica, 1988, 24, 701-705.	3.0	7
130	Synthesis of 165-1165-1165-1-optimal linear feedback systems. Mathematical Systems Theory, 1988, 21, 165-186.	0.5	0
131	An extension problem for H-unitary matrices with applications to Hermitian Toeplitz matrices. Linear Algebra and Its Applications, 1988, 108, 213-230.	0.4	2
132	Control theory 1984–1986. Automatica, 1988, 24, 573-583.	3.0	10
133	Rational contractive and unitary interpolants in realized form. Integral Equations and Operator Theory, 1988, 11, 105-127.	0.4	16
134	Partial fraction expansions for delay systems. Systems and Control Letters, 1988, 10, 235-243.	1.3	22
135	Directional interpolation in the state space. Systems and Control Letters, 1988, 10, 317-324.	1.3	14
136	State-space formulae for all stabilizing controllers that satisfy an Hâ^ž-norm bound and relations to relations to risk sensitivity. Systems and Control Letters, 1988, 11, 167-172.	1.3	1,238
137	On inner-outer factorization. Systems and Control Letters, 1988, 11, 93-97.	1.3	14
138	Robust compensator design via structured stability radii. Systems and Control Letters, 1988, 11, 33-37.	1.3	5
139	All-pass matrices, the positive real lemma, and unit canonical correlations between future and past. Journal of Multivariate Analysis, 1988, 24, 143-154.	0.5	3
140	Balanced stochastic realizations. Linear Algebra and Its Applications, 1988, 98, 211-247.	0.4	112
141	An interpolation theory approach to Hâ^ž controller degree bounds. Linear Algebra and Its Applications, 1988, 98, 347-386.	0.4	100
142	Generalized least squares innovation representation. Mathematical and Computer Modelling, 1988, 11, 1156-1161.	2.0	0
143	Generalized least squares innovation representation. Computers and Mathematics With Applications, 1988, 15, 359-365.	1.4	1
144	CACSD using the state-space L/sup infinity / theory-a design example. IEEE Transactions on Automatic Control, 1988, 33, 477-479.	3.6	77

#	Article	IF	Citations
145	Optimal H \hat{a} \hat{z} multivariable robust controllers and the relationship to LQG design problems. International Journal of Control, 1988, 48, 33-58.	1.2	24
146	Repetitive control system: a new type servo system for periodic exogenous signals. IEEE Transactions on Automatic Control, 1988, 33, 659-668.	3.6	1,188
147	Active Control for Vibration Damping. Springer Series in Computational Mechanics, 1988, , 239-261.	0.3	14
148	System identification and control of the truss experiment - A retrospective. , 1988, , .		4
149	A state-space approach to super-optimal H/sup infinity / control problems. IEEE Transactions on Automatic Control, 1988, 33, 833-843.	3.6	33
150	The design of turbine-generator optimal controllers including the effect of torsional modes of oscillation. IEEE Transactions on Energy Conversion, 1988, 3, 230-234.	3.7	8
151	Upper bounds and approximate solutions for multidisk problems. IEEE Transactions on Automatic Control, 1988, 33, 783-786.	3 . 6	18
152	Parametric interpolation H/sup infinity /-control and model reduction. , 0, , .		0
153	Controller reduction methods maintaining performance and robustness. , 0, , .		3
154	A relative error bound for balanced stochastic truncation. IEEE Transactions on Automatic Control, 1988, 33, 961-965.	3. 6	82
155	Some computational results on size reduction in H/sup infinity / design. IEEE Transactions on Automatic Control, 1988, 33, 177-185.	3.6	15
156	Approximate stochastic models. , 0, , .		0
157	Comments on "FF-Pade method of model reduction in frequency domain" [with reply]. IEEE Transactions on Automatic Control, 1988, 33, 415-416.	3.6	4
158	Control of a single-link flexible beam using a Hankel-norm-based reduced order model. , 0, , .		40
159	Hâ^ž-optimal robust regulation of MIMO systems. International Journal of Control, 1988, 48, 1327-1341.	1.2	14
160	Relations between Hâ^ž and risk sensitive controllers. , 1988, , 1-10.		5
161	A Controller Degree Bound for \$mathcal{H}^infty \$-Optimal Control Problems of the Second Kind. SIAM Journal on Control and Optimization, 1988, 26, 646-677.	1.1	38
162	Realisation and Approximation of Linear Infinite-Dimensional Systems with Error Bounds. SIAM Journal on Control and Optimization, 1988, 26, 863-898.	1.1	186

#	ARTICLE	IF	CITATIONS
163	Exremal Problems for H \tilde{A} ¶lder Norms of Matrices and Realization of Linear Systems. SIAM Journal on Matrix Analysis and Applications, 1988, 9, 314-322.	0.7	7
164	Approximation of infinite dimensional systems. , 0, , .		2
165	Robust model-based controller synthesis for the SCOLE configuration. , 0, , .		1
166	General H/sup infinity / optimization: numerical advice and a way to treat plant uncertainty. , 0, , .		3
167	Characterization and computation of H/sub infinity /-optimal controllers in the state-space. , 0, , .		4
168	Controller reduction using canonical interactions. IEEE Transactions on Automatic Control, 1988, 33, 740-750.	3.6	37
169	Model reduction via balanced realizations: an extension and frequency weighting techniques. IEEE Transactions on Automatic Control, 1988, 33, 687-692.	3.6	117
170	A note on reduced-order controller synthesis. IEEE Transactions on Automatic Control, 1988, 33, 878-880.	3.6	1
171	A method for designing robust multivariable feedback systems. , 0, , .		0
172	Controller synthesis for infinite dimensional systems based on a passivity approach., 0,,.		1
173	Nonlinear feedback vs. linear feedback for robust stabilization. , 0, , .		3
174	Conjugation and model-matching in H/sup infinity /. , 0, , .		0
175	Balanced realizations of singularly perturbed systems. , 0, , .		2
176	On the computation of reduced order models of nonlinear systems using balancing technique. , 0, , .		8
177	Convolution and Hankel operator norms for linear systems. , 0, , .		3
178	Optimal sensitivity theory for multivariate distributed plants. International Journal of Control, 1988, 47, 985-992.	1.2	3
179	Bounded input feedback control of linear systems with application to the control of a flexible system. , 0 , , .		6
180	Chained aggregation model with minimum truncation error. International Journal of Control, 1988, 47, 1937-1946.	1.2	3

#	Article	IF	CITATIONS
181	Geometric state space model reduction for linear systems. , 0, , .		0
182	All solutions to the four block general distance problem. , 0, , .		21
183	Plant and controller reduction problems for closed-loop performance. , 0, , .		1
184	(M, N)-approximation: a system simplification method. International Journal of Control, 1988, 48, 1851-1865.	1.2	O
185	Reduced-order compensation - Linear-quadratic reduction versus optimal projection. Journal of Guidance, Control, and Dynamics, 1988, 11, 328-335.	1.6	22
186	Hâ^žinterpolation of rational matrices. International Journal of Control, 1988, 48, 1659-1713.	1.2	12
187	Optimale lineare Regelung. , 1988, , .		14
188	Component model reduction by component cost analysis. , 1988, , .		24
189	Parametrization of MIMO systems in closed-loop balanced representation., 1988,, 1027-1038.		0
190	Unit Canonical Correlations between Future and Past. Annals of Statistics, 1988, 16, 784.	1.4	44
191	A Geometric Approach to System Identification Using Model-reduction Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 695-700.	0.4	0
192	On the Bounds of the Modelling Errors of Black-box Mimo Transfer Function Estimates. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 505-510.	0.4	O
193	A Hankel-norm Approach to Approximate Recursive Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 689-694.	0.4	1
194	Balanced parametrizations and canonical forms for system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 701-708.	0.4	5
195	Estimation of ARMA Models for Narrow Band Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 1049-1054.	0.4	0
196	On computing the Hâ^ž norm of a transfer matrix. , 1988, , .		20
197	Controller Order Reduction with Guaranteed Stability and Performance. , 1988, , .		19
198	A Schur Method for Balanced Model Reduction. , 1988, , .		61

#	Article	IF	CITATIONS
199	A Fractional Approach to Model Reduction. , 1988, , .		31
200	State-space solutions to standard H ₂ and H _{â^ž} control problems. , 1988, , .		377
201	LQG control with an H $<$ sub $>$ â $^{z}sub> performance bound: a riccati equation approach. , 1988, , .$		43
202	Scattering theory, unitary dilations and Gaussian processes. , 1989, , 302-338.		O
203	Identification for Robust Control of Flexible Structures. , 1989, , .		9
204	A simple solution to Hâ^ž optimization problems. , 1989, , .		9
205	Conjugation, interpolation and model-matching inHâ^ž. International Journal of Control, 1989, 49, 269-307.	1.2	92
206	State-space formulae for discrete-time <i>H</i> ^{<i>8</i>} optimization. International Journal of Control, 1989, 49, 1683-1723.	1.2	107
207	A constrained H/sup infinity / smooth optimization technique. , 0, , .		0
208	H/sub infinity /-characteristic values. , 0, , .		2
209	A homotopy algorithm for reduced order compensator design using the optimal projection equations. , 0, , .		38
210	A frame approach to the H/sup infinity / super-optimal solution. , 0, , .		1
211	Cascade decompositions of linear systems in terms of realizations. , 0, , .		1
212	Model reduction by low frequency approximation of internally balanced representation. , 0, , .		16
213	Optimal H/sup infinity / norm computation for multivariable systems with multiple zeros. IEEE Transactions on Automatic Control, 1989, 34, 553-557.	3.6	1
214	Stochastic model reduction via Hankel-approximation. International Journal of Control, 1989, 50, 1857-1861.	1.2	0
215	Reduced order controller in H/sup infinity / synthesis method of the first kind-the optimal case. , 0, , .		2
216	On computing the infinity norm. IEEE Transactions on Automatic Control, 1989, 34, 882-884.	3.6	25

#	Article	IF	CITATIONS
217	Optimal disturbance rejection for nonlinear control systems. IEEE Transactions on Automatic Control, 1989, 34, 1242-1248.	3.6	23
218	Controller reduction: concepts and approaches. IEEE Transactions on Automatic Control, 1989, 34, 802-812.	3.6	421
219	Pole-placement designs of power system stabilizers. IEEE Transactions on Power Systems, 1989, 4, 271-277.	4.6	61
220	Weighted <i>q</i> -Markov covariance equivalent realizations. International Journal of Control, 1989, 49, 1755-1771.	1.2	9
221	Combined L ₂ /H _{â^ž} model reduction. International Journal of Control, 1989, 49, 1523-1535.	1.2	20
222	Hâ^ž filtering of multivariable systems. International Journal of Control, 1989, 50, 1143-1151.	1.2	1
223	Balanced realizations of singularly perturbed systems. International Journal of Control, 1989, 49, 207-217.	1.2	3
224	State-space approach to discrete-time super-optimal <i>H</i> ^{â^ž} control problems. International Journal of Control, 1989, 49, 247-268.	1.2	14
225	Model reduction via the internally balanced state space representation. Journal of Statistical Computation and Simulation, 1989, 33, 233-248.	0.7	3
226	Multivariable frequency-weighted order reduction. Journal of Guidance, Control, and Dynamics, 1989, 12, 97-107.	1.6	14
227	Design of decentralized projective controls for disturbance rejection. , 0, , .		3
228	Design of H/sub infinity /-optimal compensators for singularly perturbed systems. , 0, , .		9
229	Approximation of infinite-dimensional systems. IEEE Transactions on Automatic Control, 1989, 34, 610-618.	3.6	142
230	Structure simplification of 2-D digital filters: An overview. , 1989, , 163-177.		1
231	Reduced-order controllers inH â^ž-Optimal synthesis methods of the first kind. Mathematical Systems Theory, 1989, 22, 109-148.	0.5	4
232	A bisection method for computing the Hâ^ž norm of a transfer matrix and related problems. Mathematics of Control, Signals, and Systems, 1989, 2, 207-219.	1.4	369
233	Model reduction by phase matching. Mathematics of Control, Signals, and Systems, 1989, 2, 221-263.	1.4	16
234	On singular values of hankel operators of finite rank. Linear Algebra and Its Applications, 1989, 121, 53-70.	0.4	6

#	ARTICLE	IF	Citations
235	Computational aspects of spectral factorization and the tangential Schur algorithm. IEEE Transactions on Circuits and Systems, 1989, 36, 103-108.	0.9	8
236	Expert system for optimization of model reduction techniques. Control Systems Magazine, 1989, 9, 9-14.	0.1	6
237	An algorithm for super-optimal Hâ^ž design: The two-block case. Automatica, 1989, 25, 215-221.	3.0	13
238	A method for approximate representation of vector-valued time series and its relation to two alternatives. Journal of Econometrics, 1989, 42, 181-199.	3 . 5	31
239	Hankel-norm approximation of a rational function using stochastic realizations. Systems and Control Letters, 1989, 13, 211-216.	1.3	1
240	by state feedback: An iterative algorithm and characterization of high-gain occurence. Systems and Control Letters, 1989, 12, 383-391.	1.3	40
241	State space formulas for a model matching problem. Systems and Control Letters, 1989, 12, 17-21.	1.3	5
242	On the differentiable manifold of fixed order stable linear systems. Systems and Control Letters, 1989, 13, 345-352.	1.3	11
243	Spectral theory of the linear-quadratic and Hâ^ž problems. Linear Algebra and Its Applications, 1989, 122-124, 273-300.	0.4	30
244	Spectral factorization via Hermitian pencils. Linear Algebra and Its Applications, 1989, 122-124, 797-846.	0.4	54
245	Explicit formulas for Hankel norm approximations of infinite-dimensional systems. Integral Equations and Operator Theory, 1989, 12, 455-469.	0.4	25
246	Singular perturbation approximation of balanced systems. International Journal of Control, 1989, 50, 1379-1405.	1.2	253
247	State-space solutions to standard H/sub 2/ and H/sub infinity / control problems. IEEE Transactions on Automatic Control, 1989, 34, 831-847.	3.6	5,001
248	Model error concepts in control design. International Journal of Control, 1989, 49, 1725-1753.	1.2	101
249	A two-sided interpolation approach to H/sub infinity / optimization problems. IEEE Transactions on Automatic Control, 1989, 34, 1285-1290.	3.6	4
250	Frequency response algorithms for H/sub infinity / optimization with time domain constraints. IEEE Transactions on Automatic Control, 1989, 34, 427-434.	3.6	49
251	Robust stabilization of normalized coprime factor plant descriptions with H/sub infinity /-bounded uncertainty. IEEE Transactions on Automatic Control, 1989, 34, 821-830.	3.6	603
252	Worst-case error analysis of the balanced-matrix method of model reduction. Canadian Journal of Electrical and Computer Engineering, 1989, 14, 18-23.	1.5	3

#	Article	IF	CITATIONS
253	Convolution and Hankel operator norms for linear systems. IEEE Transactions on Automatic Control, 1989, 34, 94-97.	3.6	231
254	A Schur method for balanced-truncation model reduction. IEEE Transactions on Automatic Control, 1989, 34, 729-733.	3.6	510
255	Model reduction of linear discrete systems via weighted impulse response Grammians. , 0, , .		6
256	A game theoretic controller and its relationship to H/sub infinity / and linear-exponential-Gaussian synthesis. , 0, , .		33
257	A state space approach to H â^ž optimal control. , 1989, , 179-218.		56
258	LQG control with an H/sup infinity / performance bound: a Riccati equation approach. IEEE Transactions on Automatic Control, 1989, 34, 293-305.	3.6	761
259	Dynamic Performance of a Synchronous Generator - Fourth Order Microcomputer Model. IEEE Power Engineering Review, 1989, 9, 59-60.	0.1	0
260	Pole-Placement Designs of Power System Stabilizers. IEEE Power Engineering Review, 1989, 9, 60-61.	0.1	0
261	Estimation of transfer functions: asymptotic theory and a bound of model uncertainty. International Journal of Control, 1989, 49, 2241-2258.	1,2	25
262	Aeroservoelastic wind-tunnel investigations using the active flexible wing model - Status and recent accomplishments. , $1989, \ldots$		10
263	A Riccati-based FH norm optimization algorithm for robust low-order controller design. , 0, , .		0
264	A reduced order model derivation for lightweight arms with a parallel mechanism. , 0, , .		7
265	A simple algorithm on minimal balanced realization for transfer function matrices. IEEE Transactions on Automatic Control, 1989, 34, 879-882.	3.6	10
266	On the design of linear multivariable feedback systems via constrained nondifferentiable optimization in H/sup infinity / spaces. IEEE Transactions on Automatic Control, 1989, 34, 268-276.	3. 6	86
267	Fast iterative computation of optimal two-block H/sup infinity /-norm. IEEE Transactions on Automatic Control, 1989, 34, 738-743.	3.6	19
268	The explicit structure of inner matrices and its application in H/sup infinity /-optimization. IEEE Transactions on Automatic Control, 1989, 34, 734-738.	3.6	15
269	Singular perturbation approximation of balanced systems. , 0, , .		137
270	Hâ^žOptimal control. International Journal of Control, 1989, 49, 1291-1330.	1.2	15

#	Article	IF	CITATIONS
271	Modeling and analysis tools for aircraft control system evaluations. , 0, , .		0
272	Consistent Approximations of Linear Stochastic Models. SIAM Journal on Control and Optimization, 1989, 27, 83-107.	1.1	7
273	Balancing transformations for unstable nonminimal linear systems. IEEE Transactions on Automatic Control, 1989, 34, 455-457.	3.6	35
274	New parameterization of MIMO systems. International Journal of Systems Science, 1989, 20, 1647-1657.	3.7	8
275	Approximation of linear systems with internal connections. International Journal of Systems Science, 1989, 20, 649-662.	3.7	1
276	State-space algorithm for the computation of superoptimal matrix interpolating functions. International Journal of Control, 1989, 50, 2431-2466.	1.2	35
277	Weighted residual approaches to system identification and model reduction. International Journal of Systems Science, 1989, 20, 555-574.	3.7	1
278	Controller reduction by preserving impulse response energy. , 1989, , .		4
279	Model reduction for flexible structures - Test data approach. , 1989, , .		1
280	Active flutter suppression using invariant zeros/eigensystem assignment., 1989,,.		1
281	Stability and Structural Properties of Infinite Dimensional Balanced Realizations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1989, 22, 103-109.	0.4	1
282	On-line Identification of the State of the Surface of a Material Undergoing Thermal Processing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1989, 22, 209-213.	0.4	3
283	Input-Output Approximations of Dynamical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1989, 22, 137-142.	0.4	2
284	Interpolation in Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1989, 22, 279-283.	0.4	0
285	Inner functions and a pseudo-singular-value decomposition in super-optimal Hâ^ž control. International Journal of Control, 1990, 51, 1119-1131.	1.2	7
286	>Hâ^ž-optimal solutions of robust regulator problem for linear MIMO systems. International Journal of Control, 1990, 52, 1241-1262.	1.2	5
287	Generalized disturbance localization using energy-based interaction measures. International Journal of Control, 1990, 51, 267-281.	1.2	1
288	A Note on a System Theoretic Approach to a Conjecture by Peller-Khrushchev: The General Case. IMA Journal of Mathematical Control and Information, 1990, 7, 35-45.	1.1	7

#	Article	IF	CITATIONS
289	Component Model Reduction By Component Cost Analysis., 1990,, 411-433.		0
290	A Degree Bound of the H â^ž -Optimal Solutions of the Robust Regulator Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 133-138.	0.4	1
291	Future Directions in H â^ž Robust Control Theory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 171-175.	0.4	1
292	A Tutorial on Loop Shaping using H-Infinity Robust Stabilization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 117-126.	0.4	9
293	Weighting Function Selection in H â^ž Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 127-132.	0.4	37
294	Zeros of (Non-Square) Spectral Factors and Canonical Correlations. IFAC Postprint Volumes IPPV International Federation of Automatic Control, 1990, 23, 167-172.	0.4	4
295	Performance Limitations of Non-Minimum Phase Systems * *This work has been supported by the Natural Sciences and Engineering Research Council of Canada under grant no. A4396 IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 345-350.	0.4	0
296	Disturbance Rejection in Large Scale Systems Using Decentralized Projective Controls. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 93-98.	0.4	2
297	Low-Order Robust Model Matching Controller Design for SISO Plants. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 191-196.	0.4	9
298	Parameter selection for model reduction using modified component cost analysis. , 1990, , .		1
299	ARMA spectral estimation of narrow-band processes via model reduction. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1990, 38, 1144-1154.	2.0	10
300	Identification and estimation of non-Gaussian ARMA processes. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1990, 38, 1266-1276.	2.0	16
301	Synthesis of 2-D linear phase digital filters. IEEE Transactions on Circuits and Systems, 1990, 37, 1499-1508.	0.9	12
302	Identification of flexible structures for robust control. Control Systems Magazine, 1990, 10, 51-58.	0.1	25
303	Robust stability and performance via fixed-order dynamic compensation with guaranteed cost bounds. Mathematics of Control, Signals, and Systems, 1990, 3, 139-163.	1.4	101
304	Rational approximation of a class of infinite-dimensional systems I: Singular values of hankel operators. Mathematics of Control, Signals, and Systems, 1990, 3, 325-344.	1.4	75
305	Tracking poles and representing Hankel operators directly from data. Numerische Mathematik, 1990, 58, 641-660.	0.9	3
306	The CF table. Constructive Approximation, 1990, 6, 195-223.	1.8	30

#	Article	IF	CITATIONS
307	A constrained <code><i>H</i>^{â^ž} smooth optimization technique</code> . Optimal Control Applications and Methods, 1990, 11, 327-343.	1.3	5
308	Design of disturbance attenuating controllers: A Riccati-based FH norm optimization algorithm. Automatica, 1990, 26, 909-913.	3.0	3
309	Approximation of stable systems by laguerre filters. Automatica, 1990, 26, 333-345.	3.0	142
310	Improved formulae for the 2-block Hâ^ž super-optimal solution. Automatica, 1990, 26, 437-440.	3.0	7
311	A general hankel-norm approximation scheme for linear recursive filtering. Automatica, 1990, 26, 103-112.	3.0	4
312	On model reduction by L2-optimal pole retention. Journal of the Franklin Institute, 1990, 327, 61-70.	1.9	6
313	A polynomial method for the singular value decomposition of block Hankel operators. Systems and Control Letters, 1990, 14, 103-112.	1.3	6
314	Discrete time â^ž controllers satisfying a minimum entropy criterion. Systems and Control Letters, 1990, 14, 275-286.	1.3	33
315	A fast algorithm to compute the of a transfer function matrix. Systems and Control Letters, 1990, 14, 287-293.	1.3	219
316	Pole/zero cancellations in the general â^ž problem with reference to a two block design. Systems and Control Letters, 1990, 14, 295-306.	1.3	168
317	A tighter relative-error bound for balanced stochastic truncation. Systems and Control Letters, 1990, 14, 307-317.	1.3	45
318	Balanced realizations via gradient flow techniques. Systems and Control Letters, 1990, 14, 369-379.	1.3	36
319	Non-full-rank causal approximations of full-rank multivariate stationary processes with rational spectrum. Systems and Control Letters, 1990, 15, 265-272.	1.3	1
320	Construction of control design models from engineering simulation models. Mathematical and Computer Modelling, 1990, 14, 413-417.	2.0	1
321	A balancing method for reduced order modelling of unstable systems. Mathematical and Computer Modelling, 1990, 14, 418-423.	2.0	3
322	On ARX(â^ž) approximation. Journal of Multivariate Analysis, 1990, 32, 17-47.	0.5	16
323	Model Reduction for Flexible Structures. Control and Dynamic Systems, 1990, 36, 143-222.	0.1	60
324	On the maximal entropy property for ARMA processes and ARMA approximation. Advances in Applied Probability, 1990, 22, 612-626.	0.4	1

#	ARTICLE	IF	CITATIONS
326	Directional interpolation via all-pass transfer function matrices and its application in Hankel-norm approximations. IEEE Transactions on Automatic Control, 1990, 35, 1167-1170.	3.6	0
327	Approximate system identification using system based orthonormal functions. , 1990, , .		27
328	Finite dimensional approximations of unstable infinite dimensional systems., 1990,,.		2
329	Asymptotic performance through adaptive robust control. , 1990, , .		4
330	Robust stabilizability of discrete-time systems with normalized stable factor perturbation. International Journal of Control, 1990, 52, 441-455.	1.2	31
331	Fractional balanced reduction: model reduction via fractional representation. IEEE Transactions on Automatic Control, 1990, 35, 1341-1345.	3.6	95
332	H/sub infinity / optimization with time domain constraints over a finite horizon. , 1990, , .		18
334	New method for the design of a reduced-order controller. International Journal of Control, 1990, 52, 1065-1082.	1.2	0
335	Interpolation of Rational Matrix Functions. , 1990, , .		499
336	Candidate Reduced Order Models for Structural Parameter Estimation. Journal of Vibration and Acoustics, Transactions of the ASME, 1990, 112, 93-97.	1.0	17
337	On the maximal entropy property for ARMA processes and ARMA approximation. Advances in Applied Probability, 1990, 22, 612-626.	0.4	1
338	State Space Modeling of Time SeriesMasanao Aoki Springer-Verlag, 1987. Econometric Theory, 1990, 6, 263-267.	0.6	0
339	Model reduction in limited time and frequency intervals. International Journal of Systems Science, 1990, 21, 349-376.	3.7	202
340	Discrete-time observer based H/sub infinity / norm bounding control. , 1990, , .		1
341	Model reduction of linear conservative mechanical systems. IEEE Transactions on Automatic Control, 1990, 35, 729-733.	3.6	8
342	Pointwise gap metrics on transfer matrices. , 1990, , .		6
343	Reduced-order compensator design for a flexible structure. Journal of Guidance, Control, and Dynamics, 1990, 13, 46-56.	1.6	12
344	Strictly proper projective controllers for disturbance attenuation. International Journal of Control, 1990, 52, 963-982.	1.2	4

#	ARTICLE	IF	CITATIONS
345	Modellreduktion mit Hilfe balancierter Realisierungen / Model reduction using balanced realizations. Automatisierungstechnik, 1990, 38, 416-422.	0.4	4
346	Approximation and identification of continuous-time systems. International Journal of Control, 1990, 52, 669-687.	1.2	24
347	Generalized balanced stochastic truncation. , 1990, , .		8
348	Hankel-norm model reduction with fixed modes. IEEE Transactions on Automatic Control, 1990, 35, 373-377.	3.6	12
349	An improved error estimate for reduced-order models of discrete-time systems. IEEE Transactions on Automatic Control, 1990, 35, 317-320.	3.6	71
350	A frame approach to the H/sub infinity / superoptimal solution. IEEE Transactions on Automatic Control, 1990, 35, 829-834.	3.6	2
351	A Hankel singular value approach for identification of low level dynamics in flexible structures. , 1990, , .		2
352	H/sub infinity / optimal control as a weighted Wiener-Hopf problem. IEEE Transactions on Automatic Control, 1990, 35, 361-366.	3.6	12
353	Reduced-order controller design using coprime factor model reduction. IEEE Transactions on Automatic Control, 1990, 35, 369-373.	3.6	50
354	Frequency weighted model reduction via optimal projection. , 1990, , .		15
355	Comparison between continuous and discrete-time model truncation., 1990,,.		1
356	Low order robust H/sub infinity / controller synthesis. , 1990, , .		15
357	One-step extension approach to optimal Hankel-norm approximation and H/sup infinity /-optimization problems. , 1990, , .		1
358	Design of an H/sup infinity / optimal controller by using DGKF's state-space formulas. , 1990, , .		4
359	An introduction to H/sub infinity / control system design. , 1990 , , .		12
360	Optimal Hankel model reduction for nonminimal systems. IEEE Transactions on Automatic Control, 1990, 35, 496-502.	3.6	135
361	Reduced-order robust controllers: H/sub infinity /-balanced truncation and optimal projection. , 1990, , .		3
362	Bilinear Transformation of Infinite-Dimensional State-Space Systems and Balanced Realizations of Nonrational Transfer Functions. SIAM Journal on Control and Optimization, 1990, 28, 438-465.	1.1	37

#	Article	IF	CITATIONS
363	AJ-Spectral Factorization Approach to \frac{H}_{infty} . SIAM Journal on Control and Optimization, 1990, 28, 1350-1371.	1.1	189
364	H/sub infinity /-minimum error state estimation of linear stationary processes. IEEE Transactions on Automatic Control, 1990, 35, 554-558.	3.6	180
365	The Singular \$H_infty \$ Control Problem with Dynamic Measurement Feedback. SIAM Journal on Control and Optimization, 1991, 29, 160-184.	1.1	83
366	A Characterization of All Solutions to the Four Block General Distance Problem. SIAM Journal on Control and Optimization, 1991, 29, 283-324.	1.1	194
367	Balanced Parametrization of Classes of Linear Systems. SIAM Journal on Control and Optimization, 1991, 29, 1251-1287.	1.1	121
368	Transient performance of direct adaptive control with parameter projection. , 0, , .		2
369	A class of systems for which balanced truncation is Hankel-norm optimal. , 0, , .		4
370	Upper and lower bounds for approximation in the gap metric. , 0, , .		5
371	Vertical stabilisation of Tokamak plasmas. , 0, , .		13
372	Optimal reduced order models with delay. , 0, , .		8
373	The structure of all-pass matrices that satisfy directional interpolation requirements. IEEE Transactions on Automatic Control, 1991, 36, 1485-1489.	3.6	5
374	A game-theoretic approach to a finite-time disturbance attenuation problem. IEEE Transactions on Automatic Control, 1991, 36, 1021-1032.	3.6	84
375	Model order reduction via real Schur-form decomposition. International Journal of Control, 1991, 53, 709-716.	1.2	56
376	Controller reduction by H/sub infinity /-balanced truncation. IEEE Transactions on Automatic Control, 1991, 36, 668-682.	3.6	99
377	Comments on "Asymptotic waveform evaluation for timing analysis. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1991, 10, 1078-1079.	1.9	19
378	H/sub infinity / fixed-lag smoothing filter for scalar systems. IEEE Transactions on Signal Processing, 1991, 39, 1955-1963.	3.2	37
379	Model reduction of linear discrete systems via weighted impulse response gramians. International Journal of Control, 1991, 53, 129-144.	1.2	43
380	Experimental results of active control on a large structure to suppress vibration. , 1991, , .		1

#	Article	IF	CITATIONS
381	Representation of inner products and stochastic realization., 1991,, 79-102.		1
382	Identification of Linear Time Invariant Systems. , 1991, , .		2
383	Towards a Complete Frequency-Domain Design Methodology. IFAC Postprint Volumes IPPV International Federation of Automatic Control, 1991, 24, 45-51.	0.4	1
384	Robust Output Regulation using Reduced-Order Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 251-256.	0.4	0
385	HTools - A Toolbox for Solving H â^ž and H 2 Synthesis Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 331-334.	0.4	4
386	Robust Control of a Flexible Wind Turbine Based on Coprime Factorizations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 197-201.	0.4	0
387	Process Control Under Variable Flow and Volume. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 55-61.	0.4	10
388	Fault Identification Filter Design Via H â^ž -Optimization Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 669-674.	0.4	1
389	Order Selection for Arx-Models Via Hankel Approximation of High Order Estimates. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 1073-1078.	0.4	0
390	H â^ž -Optimal Robust Asymptotic Regulation with Nice Stability Region. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 233-238.	0.4	0
391	Necessary and Sufficient Conditions for Optimal Fixed-Order Dynamic Compensation of Linear Discrete-Time Systems 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 519-524.	0.4	4
392	Output-Feedback Control of a Hydraulic Drive using Balanced Model Reduction Design Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 547-551.	0.4	0
393	Computer Aided Evaluation of Aircraft Handling Qualities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 435-440.	0.4	2
394	C.380. A note on time series model reduction algorithms. Journal of Statistical Computation and Simulation, 1991, 39, 178-185.	0.7	0
395	A numerical procedure for a non-rational problem in control design. Systems and Control Letters, 1991, 16, 9-15.	1.3	1
396	On the Hankel singular values of linear continuous and sampled-data multivariable systems. Systems and Control Letters, 1991, 16, 155-158.	1.3	3
397	A commutant lifting approach to tangential interpolation. Journal of Mathematical Analysis and Applications, 1991, 162, 159-176.	0.5	1
398	A polynomial approach to Hankel norm and balanced approximations. Linear Algebra and Its Applications, 1991, 146, 133-220.	0.4	33

#	Article	IF	CITATIONS
399	The solution set of the algebraic Riccati equation and the algebraic Riccati inequality. Linear Algebra and Its Applications, 1991, 153, 99-122.	0.4	50
400	Best analytic approximation of rational functions of degree 2. International Journal of Robust and Nonlinear Control, 1991, 1, 3-5.	2.1	2
401	A class of optimal solutions of the matrix Nehari-extension problem. International Journal of Robust and Nonlinear Control, $1991, 1, 7-31$.	2.1	1
402	On J‣ossless coprime factorizations and <i>H</i> ^{â^ž} control. International Journal of Robust and Nonlinear Control, 1991, 1, 47-68.	2.1	24
403	Combined â,, î, sub> â^ž < /sub> /LQG control via the optimal projection equations: On minimizing the LQG cost bound. International Journal of Robust and Nonlinear Control, 1991, 1, 99-109.	2.1	3
404	A factorization principle for stabilization of linear control systems. International Journal of Robust and Nonlinear Control, 1991, 1, 229-294.	2.1	54
405	On discretization of continuous-time state-space models: a stable-normal approach. IEEE Transactions on Circuits and Systems, 1991, 38, 1460-1477.	0.9	10
406	A novel approach to the synthesis of recursive digital filters with linear phase. IEEE Transactions on Circuits and Systems, 1991, 38, 602-612.	0.9	28
407	Approximation of delay systems by fourier-laguerre series. Automatica, 1991, 27, 569-572.	3.0	50
408	Degenerate interpolation problems for Nevanlinna pairs. Indagationes Mathematicae, 1991, 2, 179-200.	0.2	22
409	On resolvent conditions and stability estimates. BIT Numerical Mathematics, 1991, 31, 293-313.	1.0	73
410	System reduction via truncated Hankel matrices. Mathematics of Control, Signals, and Systems, 1991, 4, 161-175.	1.4	8
411	Rational approximation of a class of infinite-dimensional systems II: Optimal convergence rates of Lâ^ž approximants. Mathematics of Control, Signals, and Systems, 1991, 4, 233-246.	1.4	39
412	A remark on two solutions to the rational Nehari interpolation problem. Integral Equations and Operator Theory, 1991, 14, 304-310.	0.4	2
413	Interpolation problems, extensions of symmetric operators and reproducing kernel spaces II. Integral Equations and Operator Theory, 1991, 14, 465-500.	0.4	38
414	Reglerentwurf im Frequenzbereich $\hat{a}\in$ " vom Handwerk zur Wissenschaft / Controller design in the frequency domain $\hat{a}\in$ " from empirically to scientifically founded methods. Automatisierungstechnik, 1991, 39, 247-251.	0.4	1
415	Bemerkungen zur Ordnungsreduktion instabiler Systeme / Comments on the order reduction of unstable systems. Automatisierungstechnik, 1991, 39, 135-139.	0.4	1
416	Modeling, Estimation and Control of Systems with Uncertainty. , 1991, , .		4

#	Article	IF	CITATIONS
417	FIR (q) filter design without the linear phase constraint. , 1991, , .		0
418	A homotopy method for solving optimal projection equations for the reduced order model problem. , 0, , .		2
419	A non-iterative method for computing the infimum in H/sub infinity /-optimization. , 0, , .		0
420	Control-structure interaction study for the Space Station solar dynamic power module. , 0, , .		2
421	Asymptotic stability of infinite dimensional discrete-time balanced realizations. , 0, , .		0
422	Model reduction of LFT systems. , 0, , .		43
423	Balancing free square-root algorithm for computing singular perturbation approximations. , 0 , , .		93
424	Balanced reduction of high-dimensional mechanical systems: a block-balancing approach. , 0, , .		1
425	IIR filtering for acoustic echo cancellation., 0,,.		2
426	State-space approach to discrete-time,â,,<â^žcontrol. International Journal of Control, 1991, 54, 1031-1073.	1.2	154
427	Spectral analysis in linear process identification—a new look at an old problem. International Journal of Control, 1991, 53, 1449-1465.	1.2	0
428	On the multivariable approximate stochastic realization problem. Stochastic and Stochastics Reports, 1991, 34, 1-27.	0.6	1
429	Controller reduction in the two-block Hâ^ž-optimal design for distributed plants. International Journal of Control, 1991, 54, 1291-1308.	1.2	11
430	Comment on state space modeling of multiple time series. Econometric Reviews, 1991, 10, 61-65.	0.5	3
431	Multivariable process identification based on frequency domain measures. , 0, , .		8
432	Balanced structures and model reduction of unstable systems. , 0, , .		15
433	Robust identification and interpolation in Hâ^ž. International Journal of Control, 1991, 54, 1281-1290.	1.2	114
434	Frequenzgewichtete Ordnungsreduktion zum Reglerentwurf / Frequency weighted order reduction for compensator design. Automatisierungstechnik, 1992, 40, 447-453.	0.4	0

#	ARTICLE	IF	CITATIONS
435	A tutorial on loop shaping using H-infinity robust stabilisation. Transactions of the Institute of Measurement and Control, 1992, 14, 157-168.	1.1	8
436	Homotopy methods for solving the optimal projection equations for theH2reduced order model problem. International Journal of Control, 1992, 56, 173-191.	1.2	41
437	Frequency weighted model reduction via optimal projection. IEEE Transactions on Automatic Control, 1992, 37, 1537-1542.	3 . 6	27
438	Robust control using coprime factorizations, application to a flexible wind turbine. , 0, , .		5
439	On exact and approximate modeling of exponential time series. , 0, , .		0
440	Refined H/sup infinity / optimal approach to rotorcraft flight control-a simulation on time responses. , 0, , .		0
441	H/sub infinity / norm approximation of systems by constant matrices and related results. , 0, , .		0
442	Numerical solution of large scale Lyapunov equations using Krylov subspace methods. , 0, , .		5
443	AAK model reduction for time-varying systems. , 0, , .		3
444	Stability analysis of infinite dimensional discrete and continuous time linear systems. , 0, , .		0
445	Using the Bootstrap as an Aid in Choosing the Approximate Representation for Vector Time Series. Journal of Business and Economic Statistics, 1992, 10, 213-219.	1.8	11
446	Hankel norm approximation and control systems. , 0, , .		0
447	Worst-case system identification in l/sub 1 /: error bounds, optimal models and model reduction., 0 ,,.		6
448	The area enclosed by the (oriented) Nyquist diagram and the Hilbert-Schmidt-Hankel norm of a linear system. IEEE Transactions on Automatic Control, 1992, 37, 835-839.	3. 6	31
449	Approximate balanced-truncation model reduction for large scale systemsâ€. International Journal of Control, 1992, 56, 1263-1273.	1.2	8
450	Control-structure interaction. IEEE Control Systems, 1992, 12, 4-13.	1.0	10
451	A functional approach to LQG balancing. , 0, , .		1
452	A state-space algorithm for the solution of the 2-block super-optimal distance problem. , 0, , .		3

#	Article	IF	Citations
453	A Hadamard weighted loop shaping design procedure. , 0, , .		7
454	Numerical computation of the L/sub infinity / norm revisited. , 0, , .		1
455	Sensitivity analysis for structured uncertainty. , 0, , .		0
456	Approximated models for the analysis of interconnected circuits with transmission lines. , 0, , .		1
457	Parameter identification of large spacecraft systems based on frequency characteristics. , 0, , .		1
458	Robust control of robots using mixed mu and neural network control. , 0, , .		0
459	A state-space approach for model reduction of 2-D systems. International Journal of Systems Science, 1992, 23, 957-974.	3.7	8
460	A non-iterative method for computing the infimum in Hâ^ž -optimization. International Journal of Control, 1992, 56, 1399-1418.	1.2	13
461	An adaptive quasi linear representation-a generalization of multiscale edge representation. , 0, , .		0
462	Super-optimal Hankel-norm approximations. , 0, , .		0
463	Model reduction for discrete unstable systems based on generalized normal representations. International Journal of Control, 1992, 55, 431-443.	1.2	15
464	Polynomial computation of Hankel singular values. , 0, , .		2
465	Discrete-time H/sub infinity / control: the one-block case. , 0, , .		1
466	Balanced truncation is Hankel-norm optimal when used to approximate a finite-difference model of a parabolic PDE. , 0, , .		1
467	Robust control systems design using H-infinity optimization theory. Journal of Guidance, Control, and Dynamics, 1992, 15, 944-952.	1.6	28
468	Minimal realization procedures based on balancing and related techniques. , 1991, , 733-761.		7
469	Mimo Process Identification for Controller Design: Test Signals, Nominal Model and Error Bounds. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1992, 25, 127-132.	0.4	3
470	Model Reduction in Recursive Least Squares Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1992, 25, 5-10.	0.4	1

#	Article	IF	Citations
471	Positivity conditions for stochastic state space modelling of time series. Econometric Reviews, 1992, 11, 379-396.	0.5	3
472	Optimal Hankel-norm approximation approach to model reduction of large-scale Markov chains. International Journal of Systems Science, 1992, 23, 1289-1297.	3.7	4
473	Optimal Model Reduction For System With Time Delays In Control Action. , 0, , .		2
474	Super-optimal Hankel-norm approximations. , 1992, , 72-81.		O
475	Comparison between H/sub 2/ and H/sub infinity / controllers. IEEE Transactions on Automatic Control, 1992, 37, 1261-1265.	3.6	12
476	Simulation and model reduction for the AFW program. , 1992, , .		8
477	A new approach to the discretization of continuous-time controllers. IEEE Transactions on Automatic Control, 1992, 37, 214-223.	3.6	176
478	Reduced-order models for linear systems. , 0, , .		9
479	Model reduction via Schur decomposition. IEEE Transactions on Automatic Control, 1992, 37, 666-668.	3.6	18
480	Remarks on computing coprime factors for distributed parameter systems. IEEE Transactions on Automatic Control, 1992, 37, 626-630.	3.6	0
481	Numerical linear algebra techniques for large scale matrix problems in systems and control., 0,,.		11
482	Exact computation of the infimum in H/sub infinity /-optimization via output feedback. IEEE Transactions on Automatic Control, 1992, 37, 70-78.	3.6	22
483	An efficient algorithm on optimal Hankel-norm approximation for multivariable systems. IEEE Transactions on Automatic Control, 1992, 37, 815-820.	3.6	5
484	On L/sup 2/-sensitivity minimization of linear state-space systems. , 0, , .		O
485	A structured approximation problem with applications to frequency weighted model reduction. IEEE Transactions on Automatic Control, 1992, 37, 447-465.	3.6	26
486	Combined Schur/L/sub 2/ model reduction with fixed modes for discrete systems. , 0, , .		O
487	Loop shaping H/sub infinity / design applied to the robust stabilization of an helicopter., 0,,.		0
488	Balanced realization of stable transfer function matrices. IEEE Transactions on Automatic Control, 1992, 37, 281-285.	3.6	1

#	Article	IF	CITATIONS
489	Plant and controller reduction problems for closed-loop performance. IEEE Transactions on Automatic Control, 1992, 37, 398-404.	3.6	11
490	Commutant Lifting and Simultaneous \$H^infty \$ and \$L^2 \$ Suboptimization. SIAM Journal on Mathematical Analysis, 1992, 23, 984-994.	0.9	16
491	The Discrete Time \$H_infty \$ Control Problem with Measurement Feedback. SIAM Journal on Control and Optimization, 1992, 30, 182-202.	1.1	45
492	Finite-Dimensional Approximations of Unstable Infinite-Dimensional Systems. SIAM Journal on Control and Optimization, 1992, 30, 704-716.	1.1	17
493	\$mathcal{H}_infty \$ Controller Synthesis byJ-Lossless Coprime Factorization. SIAM Journal on Control and Optimization, 1992, 30, 522-547.	1.1	88
494	Parallel Solution of Large Lyapunov Equations. SIAM Journal on Matrix Analysis and Applications, 1992, 13, 1189-1203.	0.7	15
495	On L/sup 2/-sensitivity minimization of linear state-space systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1992, 39, 641-648.	0.1	81
496	Linear algebraic properties of the realization matrix with applications to principal axis realizations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1992, 39, 628-640.	0.1	7
497	Subspace model identification Part 2. Analysis of the elementary output-error state-space model identification algorithm. International Journal of Control, 1992, 56, 1211-1241.	1.2	211
498	Solution and applications of the Lyapunov equation for control systems. IEEE Transactions on Industrial Electronics, 1992, 39, 194-202.	5.2	7
499	Approximation of FIR by IIR digital filters: an algorithm based on balanced model reduction. IEEE Transactions on Signal Processing, 1992, 40, 532-542.	3.2	128
500	The Nehari shuffle: FIR(q) filter design with guaranteed error bounds. IEEE Transactions on Signal Processing, 1992, 40, 1876-1883.	3.2	19
501	Transient performance and robustness of direct adaptive control. IEEE Transactions on Automatic Control, 1992, 37, 1091-1105.	3.6	75
502	Robust control for a noncollocated spring-mass system. Journal of Guidance, Control, and Dynamics, 1992, 15, 1103-1110.	1.6	29
503	Using the Bootstrap as an Aid in Choosing the Approximate Representation for Vector Time Series. Journal of Business and Economic Statistics, 1992, 10, 213.	1.8	6
504	Toward time-varying balanced realization via Riccati equations. Mathematics of Control, Signals, and Systems, 1992, 5, 313-326.	1.4	12
505	Rate of convergence of schmidt pairs and rational functions corresponding to best approximants of truncated hankel operators. Mathematics of Control, Signals, and Systems, 1992, 5, 67-79.	1.4	4
506	The Hankel singular values of a distributed system. Applied Mathematics Letters, 1992, 5, 91-94.	1.5	0

#	Article	IF	Citations
507	Functional models in linear algebra. Linear Algebra and Its Applications, 1992, 162-164, 107-151.	0.4	5
508	Some open problems in matrix theory arising in linear systems and control. Linear Algebra and Its Applications, 1992, 162-164, 409-432.	0.4	76
509	Inner-outer factorization of nonlinear operators. Journal of Functional Analysis, 1992, 104, 363-413.	0.7	25
510	impulse response error bound for balanced truncation. Systems and Control Letters, 1992, 18, 129-137.	1.3	10
511	Worst-case identification in Banach spaces. Systems and Control Letters, 1992, 18, 423-428.	1.3	19
512	Iterative learning control: A survey and new results. Journal of Field Robotics, 1992, 9, 563-594.	0.7	182
513	On the convergence rate ofs-numbers of compact Hankel operators. Circuits, Systems, and Signal Processing, 1992, 11, 353-362.	1.2	2
514	Practical model reduction techniques for power systems. Electric Power Systems Research, 1992, 25, 169-176.	2.1	7
515	On the structure and geometry of the product singular value decomposition. Linear Algebra and Its Applications, 1992, 168, 95-136.	0.4	13
516	Experimental validation of a packed bed distillation model. Chemical Engineering and Technology, 1992, 15, 406-416.	0.9	1
517	Pole-zero cancellations and closed-loop properties of an Hâ^ž mixed sensitivity design problem. Automatica, 1992, 28, 519-530.	3.0	72
518	On stabilization of nonlinear systems with enlarged domain of attraction. Automatica, 1992, 28, 623-626.	3.0	7
519	Tradeâ€offs in linear control system design: A practical example. Optimal Control Applications and Methods, 1992, 13, 121-144.	1.3	4
520	Discretization of analogue filters via <i>H</i> à°ž modelâ€matching theory. International Journal of Adaptive Control and Signal Processing, 1992, 6, 499-514.	2.3	4
521	Application of a subspace model identification technique to identify LTI systems operating in closed-loop. Automatica, 1993, 29, 1027-1040.	3.0	136
522	Performance limitations of non-minimum phase systems in the servomechanism problem. Automatica, 1993, 29, 337-349.	3.0	296
523	Closed-loop balanced realizations of LTI discrete-time systems. Journal of the Franklin Institute, 1993, 330, 695-705.	1.9	1
524	Convergence and convergence rate of the balanced realization truncations for infinite-dimensional discrete-time systems. Systems and Control Letters, 1993, 20, 353-359.	1.3	7

#	Article	IF	CITATIONS
525	Characterization of the solution to the optimal Hâ^ž model reduction problem. Systems and Control Letters, 1993, 20, 99-107.	1.3	81
526	Linear quadratic control with stability degree constraint. Systems and Control Letters, 1993, 21, 181-187.	1.3	16
527	An -convergent method to reduce frequency-weighted infinite-dimensional discrete-time systems. Systems and Control Letters, 1993, 21, 443-450.	1.3	1
528	Balanced approximation can be optimal. Systems and Control Letters, 1993, 20, 397-400.	1.3	2
529	An integral equation approach to the singular values of a system with distributed output delays. Systems and Control Letters, 1993, 20, 447-454.	1.3	3
530	Frequency-weighted model reduction with â^ž error bounds. Systems and Control Letters, 1993, 21, 115-125.	1.3	32
531	Balancing for nonlinear systems. Systems and Control Letters, 1993, 21, 143-153.	1.3	318
532	The finite-horizon singular Hâ^ž control problem with dynamic measurement feedback. Linear Algebra and Its Applications, 1993, 187, 113-161.	0.4	6
533	Reduced-order models for dynamic control of a power plant with an improved transient and steady-state behavior. Electric Power Systems Research, 1993, 26, 79-85.	2.1	4
534	Complex correction of data acquisition channels using FIR equalizer filters. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 920-924.	2.4	20
535	Model reduction in the presence of small time delay. Computers and Electrical Engineering, 1993, 19, 47-54.	3.0	0
536	On the Hankel-norm approximation of upper-triangular operators and matrices. Integral Equations and Operator Theory, 1993, 17, 1-45.	0.4	23
537	Model reduction techniques for sampled-data systems. Numerical Algorithms, 1993, 4, 47-64.	1.1	5
538	Uncertainty in the weighted gap metric: A geometric approach. Automatica, 1993, 29, 1079-1100.	3.0	4
539	Balanced realization of separable-denominator multidimensional systems. Linear Algebra and Its Applications, 1993, 188-189, 521-547.	0.4	2
540	Contragredient transformations applied to the optimal projection equations. Linear Algebra and Its Applications, 1993, 188-189, 665-676.	0.4	20
541	Balanced Realizations for Linear Systems: A Variational Approach. SIAM Journal on Control and Optimization, 1993, 31, 1-15.	1.1	14
542	A State-Space Algorithm for the Solution of the 2-Block Superoptimal Distance Problem. SIAM Journal on Control and Optimization, 1993, 31, 1115-1134.	1.1	13

#	Article	IF	Citations
543	Asymptotic Stability of Infinite-Dimensional Discrete-Time Balanced Realizations. SIAM Journal on Control and Optimization, 1993, 31, 1321-1339.	1.1	5
544	Towfish orientation and position estimation. IEEE Journal of Oceanic Engineering, 1993, 18, 319-326.	2.1	1
545	Q-Markov covariance equivalent realization and its application to flexible structure identification. Journal of Guidance, Control, and Dynamics, 1993, 16, 308-319.	1.6	46
546	Active control technology for large space structures. Journal of Guidance, Control, and Dynamics, 1993, 16, 801-821.	1.6	133
547	A controller design framework for telerobotic systems. IEEE Transactions on Control Systems Technology, 1993, 1, 50-62.	3.2	140
548	Low-order stabilizing controllers. IEEE Transactions on Automatic Control, 1993, 38, 1713-1717.	3.6	22
549	Robust Fixed Order Dynamic Compensation: a Differential Game Approach. , 0, , .		5
550	Robust flight control design using dynamic inversion and structured singular value synthesis. IEEE Transactions on Control Systems Technology, 1993, 1, 80-92.	3.2	78
551	Upper and lower bounds for approximation in the gap metric. IEEE Transactions on Automatic Control, 1993, 38, 946-951.	3.6	13
552	A State-Space Algorithm for the Superoptimal Hankel-Norm Approximation Problem. SIAM Journal on Control and Optimization, 1993, 31, 960-982.	1.1	10
553	Design of stable controllers attaining low H/sup infinity / weighted sensitivity. IEEE Transactions on Automatic Control, 1993, 38, 485-488.	3.6	62
554	A new balanced canonical form for stable multivariable systems. , 0, , .		1
555	A guaranteed stable order reduction algorithm for packaging and interconnect simulation. , 0, , .		2
556	Frequency domain uncertainty and the graph topology. IEEE Transactions on Automatic Control, 1993, 38, 1371-1383.	3.6	399
557	A subspace algorithm for balanced state space system identification. IEEE Transactions on Automatic Control, 1993, 38, 1727-1729.	3.6	30
558	Parameterization of discrete-time models in open-loop balanced form. , 0, , .		0
559	Load reduction in a wind energy conversion system using an H/sub â^ž/ controller. , 0, , .		4
560	\hat{l} 4-Synthesis Robust Control: What's wrong and how to fix it?. , 0, , .		21

#	Article	IF	Citations
561	Parameter identification of large spacecraft systems based on frequency characteristics. , 1993 , , $624-635$.		1
562	Subspace-based signal analysis using singular value decomposition. Proceedings of the IEEE, 1993, 81, 1277-1308.	16.4	269
563	An evaluation of super-optimality as a control tool: a relative stability perspective. International Journal of Control, 1993, 57, 767-776.	1.2	1
564	Refined H-infinity-optimal approach to rotorcraft flight control. Journal of Guidance, Control, and Dynamics, 1993, 16, 247-255.	1.6	7
565	Performance evaluation of a new H/sub $\hat{a}^*\tilde{z}/n$ norm model reduction scheme. , 0, , .		0
566	One-step extension approach to optimal Hankel-norm approximation and H/sup infinity /-optimization problems. IEEE Transactions on Automatic Control, 1993, 38, 674-688.	3.6	10
567	Model reduction of behavioural systems. , 0, , .		14
568	Application of structured singular value synthesis to a fighter aircraft. Journal of Guidance, Control, and Dynamics, 1993, 16, 940-947.	1.6	11
569	Characterization and use of the degrees of freedom in the Hâ^žproblem. International Journal of Control, 1993, 58, 405-444.	1.2	0
570	Approximation of infinite dimensional discrete time linear systems via balanced realizations and an application to fractional filters., 1993,, 574-584.		3
571	Controllability and observability of flexible structures with proof-mass actuators. Journal of Guidance, Control, and Dynamics, 1993, 16, 899-902.	1.6	8
572	A functional approach to LQG balancing. International Journal of Control, 1993, 57, 627-741.	1.2	30
573	Error bounds for frequency weighted balanced truncation and relative error model reduction., 0,,.		4
574	The nehari problem and optimal hankel norm approximation. , 1993, , 199-221.		2
575	Zur Ordnungsreduktion linearer Systeme/ A contribution to order reduction of linear systems. Automatisierungstechnik, 1993, 41, 6-18.	0.4	2
576	FFT butterfly network design for easy testing. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1993, 40, 110-115.	2.3	5
577	A homotopy algorithm for the combined H-2/H-infinity model reduction problem. , 0, , .		0
578	H/sub â^ž/ controller reduction with closed-loop stability considerations. , 0, , .		0

#	Article	IF	Citations
579	Balancing for unstable nonlinear systems. , 0, , .		2
580	Hankel-norm of sampled-data systems. , 0, , .		1
581	A generalized orthonormal basis for linear dynamical systems. , 0, , .		24
582	Direct state-space solution to the discrete-time H/sub infinity / one-block problem. IEEE Transactions on Automatic Control, 1993, 38, 606-611.	3.6	7
583	The Largest Robust Staeklity Radius, Approximation and Model Reduction. , 0, , .		0
584	Model reduction of 2-D systems with frequency error bounds. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1993, 40, 107-110.	2.3	28
585	\$H^infty \$-Optimal Control and Related Minimax Design Problems (Tamer Basar and Pierre Bernhard). SIAM Review, 1993, 35, 538-540.	4.2	2
586	Controller reduction: weights for stability and performance preservation. , 0, , .		28
587	Zeroth orderHâ^žnorm approximation of multivariable systems. Numerical Functional Analysis and Optimization, 1993, 14, 89-101.	0.6	28
588	Weighted optimal Hankel norm model reduction. , 0, , .		5
589	Identification of Multivariable Industrial Processes. Advances in Industrial Control, 1993, , .	0.4	21
590	Iterative Learning Control for Deterministic Systems. Advances in Industrial Control, 1993, , .	0.4	536
591	An affine parametrization of all one-blockHâ^ž-optimal matrix interpolating functions. International Journal of Control, 1993, 57, 1421-1441.	1.2	8
592	Discrete Time H â^ž Model Reduction Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 831-834.	0.4	4
593	Model Reduction Using Rational Approximation Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 335-338.	0.4	0
594	A Case-study Comparison of Some Order-reduction Approaches Based on Accuracy Enhancing Methods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 473-477.	0.4	0
595	A Descriptor Approach to the Solution of the One-block Discrete Time Distance Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 759-762.	0.4	2
596	Model Reduction for Axisymmetric Tokamak Control. Fusion Science and Technology, 1993, 24, 355-365.	0.6	6

#	Article	IF	Citations
597	Multiplicative Hankel norm approximation of linear multivariable systems. International Journal of Control, 1993, 58, 129-167.	1.2	10
598	The hankel singular values of a distributed delay line a fredholm equation approach. , 1993, , 543-550.		2
599	A "relaxation―approach for the hankel approximation of some vibrating structures. , 1993, , 585-597.		0
600	Attenuation of Structurally Generated Interior Noise Through Active Control., 1993,,.		10
601	H _{\hat{a}^*z} loop transfer recovery design with an unknown input observer-based controller. , 1993, , .		0
603	Stable controller reduction for sampled-data systems. , 0, , .		4
604	Complex interpolation for rational orthogonal signal approximation with applications. , 0, , .		0
605	Balanced model reduction with guaranteed performance in frequency ranges. , 0, , .		1
606	Positive real controller design with H/sub â^ž/ norm performance bound. , 0, , .		3
607	Hierarchical HAC/sub â^ž//LAC vibration suppression for a flexible space telescope: SPICE. , 0, , .		0
608	Closed-loop controller reduction by a structured truncation approach. , 0, , .		5
609	Performance-preserving frequency weighted controller approximation: a coprime factorisation approach. , 0, , .		14
610	Rational approximation theory and its applications in systems engineering: an overview. , 0 , , .		3
611	Model reduction with relative/multiplicative error bounds and relations to LQG controller reduction. , 0, , .		0
612	The hierarchical H/sub â^ž//H/sub 2/-optimal control problem. , 0, , .		0
613	Contractiveness preserving model reduction of LFT systems. , 0, , .		0
614	Balanced realization of non-minimal MIMO discrete-time systems. International Journal of Systems Science, 1994, 25, 173-182.	3.7	7
615	Coprime factorization approach to robust stabilization of control structures interaction evolutionary model. Journal of Guidance, Control, and Dynamics, 1994, 17, 935-941.	1.6	8

#	ARTICLE	IF	CITATIONS
616	On optimal projection equations for model reduction input-error approach. Optimization, 1994, 31, 263-281.	1.0	0
617	A new parametrization of Hâ^ž suboptimal controllers. International Journal of Control, 1994, 59, 1031-1051.	1.2	24
618	Properties of optimally robust controllers. International Journal of Control, 1994, 59, 1191-1210.	1.2	1
619	Robust Multivariable Flight Control. Advances in Industrial Control, 1994, , .	0.4	147
620	Minimality for uncertain systems and IQCs. , 0, , .		14
621	An efficient approach to transmission line simulation using measured or tabulated S-parameter data. , 1994, , .		20
622	Critical comparison of Hankel-norm optimal approximation and balanced model truncation algorithms as vehicles for FIR-to-IIR filter order reduction. , 0 , , .		5
623	H/sub â^ž/-norm approximation of systems by constant matrices and related results. IEEE Transactions on Automatic Control, 1994, 39, 1006-1009.	3.6	16
624	Model reduction using LMIs., 0,,.		37
625	Hankel-like norm and its comparison with standard induced norm. , 0, , .		0
626	Robust control under variable flow and volume. , 1994, , .		2
627	Sensitivity analysis for systems with structured uncertainty. International Journal of Systems Science, 1994, 25, 1093-1103.	3.7	1
628	Model reduction of positive real systems. , 0, , .		4
629	Solving a robust stability optimisation problem via optimal model reduction: a parameterised approach. , 1994, , .		0
630	On the $\ddot{I}f$ -reciprocal system for model order reduction. , 0, , .		1
631	Optimal L/sub â^ž/ norm model approximation with prescribed pole locations. , 0, , .		4
632	An efficient frequency domain state-space identification algorithm. , 0, , .		16
633	Characterization and computation of the solution to the optimal L/sub â^ž/ approximation problem. IEEE Transactions on Automatic Control, 1994, 39, 1899-1904.	3.6	11

#	Article	IF	CITATIONS
634	Normalized coprime factorizations and balancing for unstable nonlinear systems. International Journal of Control, 1994, 60, 1193-1222.	1.2	81
635	Singular perturbation approximation of bounded real and of positive real transfer matrices. , 0, , .		10
636	Applications of the singular perturbation approximation of balanced systems. , 1994, , .		4
637	Model reduction of multidimensional positive real systems. , 0, , .		3
638	Efficient frequency-domain modeling and circuit simulation of transmission lines. IEEE Transactions on Advanced Packaging, 1994, 17, 505-513.	0.7	55
639	A new approach to modeling for control. Linear Algebra and Its Applications, 1994, 203-204, 45-65.	0.4	6
640	Acausal models and balanced realizations of stationary processes. Linear Algebra and Its Applications, 1994, 205-206, 997-1043.	0.4	31
641	The Nehari problem for the Pritchard-Salamon class of infinite-dimensional linear systems: a direct approach. Integral Equations and Operator Theory, 1994, 18, 130-153.	0.4	13
642	Central intertwining lifting, maximum entropy and their permanence. Integral Equations and Operator Theory, 1994, 18, 166-201.	0.4	15
643	Recursive solutions of rational interpolation problems via fast matrix factorization. Integral Equations and Operator Theory, 1994, 20, 84-118.	0.4	33
644	Robust longitudinal axis flight control for an aircraft with thrust vectoring. Automatica, 1994, 30, 1527-1540.	3.0	17
645	A hadamard weighted loop shaping design procedure for robust decoupling. Automatica, 1994, 30, 831-845.	3.0	9
646	Computation of optimal reduced-order models with time delay. Chemical Engineering Science, 1994, 49, 3291-3296.	1.9	14
647	Model reduction of SISO systems by Routh expansion and balancing method. Journal of the Franklin Institute, 1994, 331, 367-380.	1.9	5
648	An extension of A-A-K Hankel approximation theory using state-space formulation. Systems and Control Letters, 1994, 23, 217-227.	1.3	0
649	Extended Nehari problem for time-variant discrete systems. Systems and Control Letters, 1994, 22, 195-201.	1.3	4
650	Squaring down and the problems of almost zeros for continuous-time systems. Systems and Control Letters, 1994, 23, 381-388.	1.3	8
651	approximation of a parabolic system regarded as a delay system. Systems and Control Letters, 1994, 22, 457-465.	1.3	O

#	ARTICLE	IF	CITATIONS
652	Computer-aided analysis and design of control systems using model approximation techniques. Computer Methods in Applied Mechanics and Engineering, 1994, 114, 273-294.	3.4	7
653	Geometric aspects of the Carath \tilde{A} © odory extension problem. Linear Algebra and Its Applications, 1994, 203-204, 209-251.	0.4	3
654	A duality theory for robust stabilization and model reduction. Linear Algebra and Its Applications, 1994, 203-204, 471-578.	0.4	8
655	Remarks on orthogonal polynomials and balanced realizations. Linear Algebra and Its Applications, 1994, 205-206, 741-776.	0.4	2
656	Hankel-norm approximation and control systems. Linear Algebra and Its Applications, 1994, 205-206, 1081-1120.	0.4	1
657	On low-complexity approximation of matrices. Linear Algebra and Its Applications, 1994, 205-206, 1145-1201.	0.4	6
658	A behavioral approach to balanced representations of dynamical systems. Linear Algebra and Its Applications, 1994, 205-206, 1227-1252.	0.4	6
659	Optimal unsupervised motor learning for dimensionality reduction of nonlinear control systems. IEEE Transactions on Neural Networks, 1994, 5, 965-973.	4.8	12
660	Loop-shaping basedHâ^ž robust control of a horizontal shaft magnetic bearing. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1994, 114, 113-121.	0.2	0
661	Optimal <i>H</i> _{â^ž} general distance problem with degree constraint. International Journal of Robust and Nonlinear Control, 1994, 4, 289-299.	2.1	6
662	A nonâ€recursive method for solving the general discreteâ€time riccati equations related to the <i>H</i> _{â^ž} control problem. International Journal of Robust and Nonlinear Control, 1994, 4, 503-519.	2.1	18
663	Hankel operators and best Hankel approximation on the half-plane. Advances in Computational Mathematics, 1994, 2, 343-355.	0.8	0
664	Krylov space methods on state-space control models. Circuits, Systems, and Signal Processing, 1994, 13, 733-758.	1.2	117
665	Balanced realization and model reduction of singular systems. International Journal of Systems Science, 1994, 25, 1039-1052.	3.7	39
666	An unbiased equation error identifier and reduced-order approximations. IEEE Transactions on Signal Processing, 1994, 42, 1397-1412.	3.2	84
667	IIR filter design via Hankel-norm optimal approximation of FIR prototype filters: A streamlined approach. Electronics Letters, 1994, 30, 292-293.	0.5	4
668	2-D model reduction by quasi-balanced truncation and singular perturbation. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1994, 41, 593-602.	2.3	40
669	A comparison between H-infinity/Mu-synthesis control and sliding-mode control for robust control of a small autonomous underwater vehicle. , 0, , .		9

#	Article	IF	Citations
670	Optimization and Dynamical Systems. Communications and Control Engineering, 1994, , .	1.0	396
671	Continuity of Best Hankel Approximation and Convergence of Near-Best Approximants. SIAM Journal on Control and Optimization, 1994, 32, 1769-1781.	1.1	1
672	Routh-Pade approximation for interval systems. IEEE Transactions on Automatic Control, 1994, 39, 2454-2456.	3.6	111
673	Krylov Subspace Methods for Solving Large Lyapunov Equations. SIAM Journal on Numerical Analysis, 1994, 31, 227-251.	1.1	246
674	Controller redesigns for the Hubble space telescope. , 0, , .		0
675	An efficient frequency domain state-space identification algorithm: robustness and stochastic analysis. , 0, , .		22
676	Optimal closed-loop approximation by reduced order controllers. , 0, , .		0
677	The design of H/sub â^ž/ controllers for an experimental non-collocated flexible structure problem. IEEE Transactions on Control Systems Technology, 1994, 2, 101-109.	3.2	73
678	Algorithms for coupled transient simulation of circuits and complicated 3-D packaging. , 0, , .		7
679	A computational scheme for Hâ^ž model reduction. IEEE Transactions on Automatic Control, 1994, 39, 1447-1451.	3.6	9
680	Intelligent process control with supervisory knowledge-based systems. IEEE Control Systems, 1994, 14, 37-47.	1.0	25
681	Approximate solution of large sparse Lyapunov equations. IEEE Transactions on Automatic Control, 1994, 39, 1110-1114.	3.6	42
682	State-space solutions to Hadamard weighted â,,<â^žand â,,<2control problems. International Journal of Control, 1994, 59, 357-394.	1.2	15
683	Properties of a low-frequency approximation balancing method of model reduction. IEEE Transactions on Automatic Control, 1994, 39, 1135-1141.	3.6	24
684	Robust decentralized control design for damping power system oscillations. , 0, , .		19
685	Low-order H/sub â^ž/ synthesis via LMIs. , 0, , .		5
686	A discrete–time reduced–order controller for robust stabilization of plant in the normalized coprime–factor description. IMA Journal of Mathematical Control and Information, 1994, 11, 231-252.	1.1	4
687	A method of optimal system identification with applications in control. , 0, , .		0

#	Article	IF	CITATIONS
688	Model reduction via matrix pencil approach., 0,,.		1
689	A differential game approach to the mixed H2/H-infinity problem. , 1994, , .		5
690	Optimal Approximate Model Identification in the Hankel Norm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 1159-1163.	0.4	3
691	Selecting Pole Locations for System Identifiers with Fixed Poles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 1453-1458.	0.4	2
692	Subspace Methods in System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 1-12.	0.4	51
693	Application of Estimated Error Bounds in Robust Control of a Wind Energy Conversion System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 425-430.	0.4	0
694	On \hat{I}^3 -characteristic of H/sup $\hat{a}^*\hat{z}/\hat{z}$ control systems. , 0, , .		0
695	Multivariable Two Degree of Freedom Control Methodology: The R2M2 Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 377-382.	0.4	0
696	On Similarity Invariance of Balancing for Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 703-708.	0.4	0
697	Balanced realization for state-space identification and optimal output regulation. AICHE Journal, 1995, 41, 1217-1228.	1.8	0
698	On the bilinear transformation of LQG-balanced realizations. Automatica, 1995, 31, 349-351.	3.0	4
699	Reliable linear-quadratic state-feedback control. Automatica, 1995, 31, 137-143.	3.0	330
700	Relative/multiplicative model reduction for unstable and non-minimum-phase systems. Automatica, 1995, 31, 1087-1098.	3.0	10
701	Subspace-based methods for the identification of linear time-invariant systems. Automatica, 1995, 31, 1835-1851.	3.0	517
702	Global lumped-parameter model with physical representation for unbounded medium. Earthquake Engineering and Structural Dynamics, 1995, 24, 637-654.	2.5	26
703	The regulator problem with robust stability. Automatica, 1995, 31, 1393-1406.	3.0	22
704	Reduction of a model of a mechanical system with variable reduced parameters. International Applied Mechanics, 1995, 31, 668-673.	0.2	0
705	An equivalence between rational H2 and Hankel-norm approximations. Systems and Control Letters, 1995, 24, 167-172.	1.3	1

#	Article	IF	Citations
706	Relating H2 and Hâ^ž bounds for finite-dimensional systems. Systems and Control Letters, 1995, 24, 173-181.	1.3	12
707	Structurally balanced controller order reduction with guaranteed closed loop performance. Systems and Control Letters, 1995, 24, 235-242.	1.3	41
708	Error bound for transfer function order reduction using frequency weighted balanced truncation. Systems and Control Letters, 1995, 24, 183-192.	1.3	36
709	On the evaluation of the least achievable tolerance in the disturbance feedforward problem. Systems and Control Letters, 1995, 25, 113-119.	1.3	0
710	The Nehari problem in systems with distributed input delays is inherently finite dimensional. Systems and Control Letters, 1995, 26, 11-16.	1.3	12
711	On diffeomorphisms between classes of linear systems. Systems and Control Letters, 1995, 26, 289-300.	1.3	5
712	Tracking poles, representing Hankel operators, and the Nehari problem. Linear Algebra and Its Applications, 1995, 223-224, 637-694.	0.4	3
713	On the Schmidt pairs of multivariable Hankel operators and robust control. Linear Algebra and Its Applications, 1995, 223-224, 243-265.	0.4	3
714	Model reduction in numerical heat transfer problems. Applied Mathematics and Computation, 1995, 69, 209-225.	1.4	2
715	The inverse spectral problem for self-adjoint Hankel operators. Acta Mathematica, 1995, 174, 241-309.	1.4	39
716	Approximation and Interpolation. , 1995, , .		1
717	On the Hankel Singular Values of Input Time Delay Systems. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1650-1657.	0.1	2
718	A robust frequency domain optimization technique for tuning series compensation damping controllers. IEEE Transactions on Power Systems, 1995, 10, 1219-1225.	4.6	102
719	A robust decentralized control design for damping controllers in FACTS applications. , 0, , .		4
720	Order reduction and determination of dominant state variables of nonlinear systems. Mathematical Modelling of Systems, 1995, 1, 77-90.	0.7	9
721	Sampled-data controller reduction procedure. IEEE Transactions on Automatic Control, 1995, 40, 1922-1926.	3.6	7
722	Algorithms for coupled transient simulation of circuits and complicated 3-D packaging. IEEE Transactions on Advanced Packaging, 1995, 18, 92-98.	0.7	10
723	Model reduction with relative/multiplicative error bounds and relations to controller reduction. IEEE Transactions on Automatic Control, 1995, 40, 1478-1485.	3.6	16

#	Article	IF	CITATIONS
724	Model reference control with â,, /sub â^ž/ loop shaping. , 0, , .		0
725	On the $\ddot{l}f$ - reciprocal system for model order reduction. Mathematical Modelling of Systems, 1995, 1, 261-271.	0.7	7
726	Simulation and model reduction for the Active Flexible Wing Program. Journal of Aircraft, 1995, 32, 23-31.	1.7	7
727	Optimal asymptotic robust performance via nonlinear controllers. International Journal of Control, 1995, 62, 1367-1389.	1.2	6
728	Analytically and numerically derived H-infinity controller designs for Hubble Space Telescope. Journal of Guidance, Control, and Dynamics, 1995, 18, 214-221.	1.6	11
729	H _{â^ž} norm approximation of discrete-time systems by constant matrices. Numerical Functional Analysis and Optimization, 1995, 16, 177-196.	0.6	4
730	A low order controller design method. , 0, , .		8
731	Constant <i>L_{â^ž}</i> norm approximation of complex rational functions. Numerical Functional Analysis and Optimization, 1995, 16, 197-217.	0.6	0
732	State-space formulae for all the stabilizing discrete controllers that satisfy anHâ^žnorm bound Part 1. Main results and the full information problem. International Journal of Control, 1995, 61, 65-96.	1.2	1
733	Balancing reduction of linear systems having multiple delays. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1995, 18, 673-682.	0.6	1
734	Model Reduction and Control of Multistage Flash (MSF) Desalinization Plants., 1995,, 423-445.		0
735	Identification and robust control design of an industrial glass tube manufacturing process., 0,,.		1
736	Rational L/sub $\hat{a}\hat{z}/n$ norm approximation of multivariable systems. , 0, , .		2
737	Selection of component modes for Craig-Bampton substructure representations. , 1995, , .		4
738	Frequency weighted closed-loop balanced controller reduction using normalized coprime factor descriptions. , 0 , , .		0
739	Measurement noise error bounds for eigensystem realization algorithm. , 0, , .		2
740	H/sub \hat{a}^2 / norm approximation by identification techniques. , 0, , .		0
741	Robust control of an unknown plantâ€"the IFAC 93 benchmark. International Journal of Control, 1995, 61, 589-640.	1.2	45

#	Article	IF	CITATIONS
742	Optimal H/sub $\hat{a}^*\dot{z}/$ model reduction via linear matrix inequalities: continuous and discrete-time cases. , 0, , .		4
744	Complex IIR filter design through balanced model reduction of FIR prototypes. Electronics Letters, 1995, 31, 1332-1334.	0.5	9
745	Robust Control Theory. The IMA Volumes in Mathematics and Its Applications, 1995, , .	0.5	30
746	Enhanced modal approach for model reduction. Mathematical Modelling of Systems, 1995, 1, 91-105.	0.7	36
747	Realizations of uncertain systems and formal power series. , 0, , .		7
748	Alternating projection methods for mixed H/sup 2 / and H/sup \hat{a}^* / Nehari problems. IEEE Transactions on Automatic Control, 1995, 40, 2127-2131.	3.6	2
749	Hankel norm of sampled-data systems. IEEE Transactions on Automatic Control, 1995, 40, 1939-1942.	3.6	11
750	Multiobjective H/sub 2//H/sub â^ž/ control. IEEE Transactions on Automatic Control, 1995, 40, 1054-1062.	3.6	150
751	Two-channel IIR QMF banks with approximately linear-phase analysis and synthesis filters. IEEE Transactions on Signal Processing, 1995, 43, 2313-2322.	3.2	25
752	Model reduction with balanced realizations. International Journal of Control, 1995, 62, 33-64.	1.2	56
753	Comparison of order reduction methods for control applications. Mathematical Modelling of Systems, 1995, 1, 107-116.	0.7	0
754	A generalized orthonormal basis for linear dynamical systems. IEEE Transactions on Automatic Control, 1995, 40, 451-465.	3.6	287
755	Robust control design strategy with parameter dominated uncertainty., 1995,,.		0
756	Controller reduction preserving the closed-loop performance for a class of linear multivariable systems. , 0, , .		0
757	A comparative study of â,, sub â^ž/ controller reduction methods. , 0, , .		2
758	On the relative and multiplicative model reductions. , 0, , .		3
759	Identification/reduction to a balanced realization via the extended impulse response gramian. IEEE Transactions on Automatic Control, 1995, 40, 2153-2158.	3.6	8
760	Application of model order reduction to a hydropneumatic vehicle suspension. IEEE Transactions on Control Systems Technology, 1995, 3, 102-109.	3.2	16

#	Article	IF	CITATIONS
761	Robust regulation of a flying crane. , 0, , .		7
762	Model reduction of linear interval systems using Pade approximation. , 0, , .		19
763	The design method of two-degree-of-freedom controller using $\hat{l}\frac{1}{4}$ -synthesis. , 0, , .		1
764	Global total least squares modeling of multivariable time series. IEEE Transactions on Automatic Control, 1995, 40, 50-63.	3.6	64
765	Weighted â,,'/sub â^ž/ norm approximation. , 0, , .		1
766	Structure of model uncertainty for a weakly corrupted plant. IEEE Transactions on Automatic Control, 1995, 40, 639-655.	3.6	33
767	A new balanced canonical form for stable multivariable systems. IEEE Transactions on Automatic Control, 1995, 40, 374-378.	3.6	5
768	A Hamilton-Jacobi inequality approach to nonlinear strict H/sub $\hat{a}\hat{z}$ / control and characterization of some gain conditions. , 0, , .		0
769	An optimal order structure for 2-D digital filters. , 0, , .		0
770	Positive realness preserving model reduction with H/sub /spl infin norm error bounds. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1995, 42, 23-29.	0.1	36
771	Reduction of linearized power systems for the study of interarea oscillations. , 0, , .		7
772	Computation of system gramians and balanced realizations using MapleV. International Journal of Systems Science, 1995, 26, 899-926.	3.7	8
773	Application of identification in â,, /sub â^ž/ to lightly damped systems: two case studies. IEEE Transactions on Control Systems Technology, 1995, 3, 279-289.	3.2	18
774	Minimal balanced realization of SISO systems using closed-form Gramians. , 0, , .		0
775	Oblique Production Methods for Large Scale Model Reduction. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 602-627.	0.7	60
776	Frequency-weighted â,, '/sub â^ž/ norm and optimal Hankel norm model reduction. IEEE Transactions on Automatic Control, 1995, 40, 1687-1699.	3.6	126
777	Motor car acoustic response modelling and order reduction via balanced model truncation. Electronics Letters, 1996, 32, 965.	0.5	8
778	Globally convergent adaptive IIR filters based on fixed pole locations. IEEE Transactions on Signal Processing, 1996, 44, 1418-1427.	3.2	27

#	Article	IF	CITATIONS
779	The use of model reduction techniques for designing IIR filters with linear phase in the passband. IEEE Transactions on Signal Processing, 1996, 44, 2396-2404.	3.2	39
780	Formulation and solution of structured total least norm problems for parameter estimation. IEEE Transactions on Signal Processing, 1996, 44, 2464-2474.	3.2	84
781	Multichannel stable systems that extend the partial impulse response matrices. IEEE Transactions on Signal Processing, 1996, 44, 2521-2536.	3.2	0
782	Subspace-based multivariable system identification from frequency response data. IEEE Transactions on Automatic Control, 1996, 41, 960-979.	3.6	461
783	"Linearizing―Controller Design for a Packed-Bed Reactor Using a Low-Order Wave Propagation Model. Industrial & Design Engineering Chemistry Research, 1996, 35, 3567-3580.	1.8	24
784	Balancing and model reduction for second-order form linear systems. IEEE Transactions on Automatic Control, 1996, 41, 1632-1644.	3.6	118
785	Model comparison and simplification., 0,,.		3
786	Infinite-Dimensional Continuous-Time Linear Systems: Stability and Structure Analysis. SIAM Journal on Control and Optimization, 1996, 34, 757-812.	1.1	7
787	Power system reduction to simplify the design of damping controllers for interarea oscillations. IEEE Transactions on Power Systems, 1996, 11, 1342-1349.	4.6	84
788	An auxiliary LQG/LTR robust controller design for cogeneration plants. IEEE Transactions on Energy Conversion, 1996, 11, 407-413.	3.7	18
789	Optimal reduced-order models for unstable and nonminimum-phase systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 800-805.	0.1	14
790	On multipoint Pade approximation for discrete interval systems. , 0, , .		12
791	An LMI approach to fixed order LTR controller. , 0, , .		0
792	L/sup 1/ approximation of a certain class of infinite dimensional systems in time-domain. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 397.	0.1	1
793	L/sub 2/ optimal reduced order filter design. , 0, , .		3
794	Interpolation approach to Hankel-norm model reduction for rational multi-input multi-output systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 987-995.	0.1	4
795	The design method of two-degree-of-freedom controller using $\hat{l}^1\!\!/\!\!4$ -synthesis and its application to two-mass system. , 0, , .		2
796	Model reduction of multidimensional and uncertain systems. IEEE Transactions on Automatic Control, 1996, 41, 1466-1477.	3.6	209

#	Article	IF	CITATIONS
797	Robust model matching control in the presence of disturbances. , 0, , .		0
798	Model reductions of unstable SISO systems using closed-form Gramians. , 0, , .		1
799	<title>Automated frequency domain system identification</title> ., 1996,,.		1
800	Superoptimal approximation by meromorphic functions. Mathematical Proceedings of the Cambridge Philosophical Society, 1996, 119, 497-511.	0.3	4
801	Selection of Component Modes for Craig-Bampton Substructure Representations. Journal of Vibration and Acoustics, Transactions of the ASME, 1996, 118, 264-270.	1.0	24
802	Continuous Time and Discrete Time Lyapunov Equations: Review and New Directions. Control and Dynamic Systems, 1996, 74, 253-307.	0.1	0
803	On Computing Nonlinear Hankel Norm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 2283-2288.	0.4	0
804	Suboptimal H â^ž Filtering via Linear Matrix Inequalities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 3075-3080.	0.4	2
805	A N -Width Result for the Generalized Orthonormal Basis Function Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4303-4308.	0.4	12
806	Model Reduction of Linear Discrete-Time Periodic Systems Using Hankel-Norm Approximations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4670-4675.	0.4	7
807	A Robust Control Design with Order Reduction for a Tank Reactor Using \hat{l}^{1} 4-Analysis and -Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 5995-6000.	0.4	0
808	LQG/LTR Robust Controller Design for Disturbance Rejection in a Cogeneration Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 6933-6938.	0.4	0
809	Modelling and Control of a Pressurized Water Reactor Using \hat{l} 4-Synthesis Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 6945-6950.	0.4	1
810	LMI Based Computational Schemes for H â^ž Model Reduction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 3585-3590.	0.4	4
811	The Design Method of a Two-Degree-of-Freedom Controller Using .MUSynthesis. With The Construction of the Controller Taking into Account Disturbance Observer Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1996, 62, 4174-4181.	0.2	0
812	(J, J?)-Spectral factorization and conjugation for discrete-time descriptor system. Circuits, Systems, and Signal Processing, 1996, 15, 649-669.	1.2	21
813	Stabilizing solutions of the Hâ^ž algebraic Riccati equation. Linear Algebra and Its Applications, 1996, 240, 153-172.	0.4	7
814	Canonical correlation analysis, approximate covariance extension, and identification of stationary time series. Automatica, 1996, 32, 709-733.	3.0	140

#	Article	IF	CITATIONS
815	Model reduction of state space systems via an implicitly restarted Lanczos method. Numerical Algorithms, 1996, 12, 1-31.	1.1	129
816	Model reduction with time delay combining the least-squares method with the genetic algorithm. IET Control Theory and Applications, 1996, 143, 247-254.	1.7	36
817	Robust unconstrained predictive control design with guranteed nominal performance. AICHE Journal, 1996, 42, 1293-1303.	1.8	11
818	An indirect model reference adaptive controller based on the multirate sampling of the plant output. International Journal of Adaptive Control and Signal Processing, 1996, 10, 673-705.	2.3	9
819	Hâ^ž balancing for nonlinear systems. International Journal of Robust and Nonlinear Control, 1996, 6, 645-668.	2.1	52
820	Loopshaping for robust performance. International Journal of Robust and Nonlinear Control, 1996, 6, 805-823.	2.1	7
821	Induced L2 norm model reduction of polytopic uncertain linear systems. Automatica, 1996, 32, 1417-1426.	3.0	35
822	A new two-step iterative method for optimal reduction of linear SISO systems. Journal of the Franklin Institute, 1996, 333, 631-645.	1.9	16
823	A reduced model approach to estimation and control of a Kamyr digester. Computers and Chemical Engineering, 1996, 20, S1053-S1058.	2.0	22
824	LQG/LTR robust controller of cogeneration plant for disturbance rejection in electric frequency and steam pressure. International Journal of Electrical Power and Energy Systems, 1996, 18, 239-250.	3.3	4
825	Robust controller design and implementation for a run-of-mine ore milling circuit. Control Engineering Practice, 1996, 4, 1-12.	3.2	16
826	Characterization of some gain conditions via the Hamilton-Jacobi inequality. Systems and Control Letters, 1996, 28, 263-271.	1.3	1
827	The Nehari problem for infinite-dimensional linear systems of parabolic type. Integral Equations and Operator Theory, 1996, 26, 29-45.	0.4	9
828	Longitudinal flight control in a windshear via H-infinity methods. , 1996, , .		4
829	Balanced model reduction of symmetric composite systems. International Journal of Control, 1996, 65, 1031-1043.	1.2	9
830	Inner loop control of supersonic aircraft in the presence of aeroelastic modes. , 0, , .		1
831	The class of suboptimal and optimal solutions to the discrete Nehari problem: characterization and computation. International Journal of Control, 1996, 64, 483-509.	1.2	4
832	Non-iterative computation of infimum in discrete-time H â^ž-optimization and solvability conditions for the discrete-time disturbance decoupling problem. International Journal of Control, 1996, 65, 433-454.	1.2	8

#	Article	IF	CITATIONS
834	Model reduction by the low-frequency approximation balancing method for unstable systems. IEEE Transactions on Automatic Control, 1996, 41, 995-997.	3.6	18
835	An application of semidefinite programming duality to derive bounds on the H/sub \hat{a}^* norm of a transfer matrix. , 0, , .		1
836	A systematic approach to performance weights selection in design of robust H/sup \hat{a}^2 / PSS using genetic algorithms. IEEE Transactions on Energy Conversion, 1996, 11, 111-117.	3.7	19
837	Reduced-order models with delay. International Journal of Control, 1996, 64, 733-744.	1.2	27
838	Low-order H/sup $\hat{a}\hat{z}$ controller design with an application in flexible servomechanisms. , 0, , .		0
839	Undermodeled adaptive filtering: an a priori error bound for the Steiglitz-McBride method. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1996, 43, 105-116.	2.3	15
840	Bilinear transformation and generalized singular perturbation model reduction. IEEE Transactions on Automatic Control, 1996, 41, 589-593.	3.6	16
841	Structured linear uncertain systems reduction., 0,,.		3
842	A Schur Method for Low-Rank Matrix Approximation. SIAM Journal on Matrix Analysis and Applications, 1996, 17, 139-160.	0.7	32
843	Balanced Control of Flexible Structures. Lecture Notes in Control and Information Sciences, 1996, , .	0.6	58
844	Subspace Identification for Linear Systems. , 1996, , .		1,836
845	Robust control design strategy with parameter-dominated uncertainty. Journal of Guidance, Control, and Dynamics, 1996, 19, 605-611.	1.6	11
846	A new frequency domain computational scheme for H/sub â^ž/ norm approximation. , 0, , .		1
847	Robust controller design for a nuclear power plant using H/sub $\hat{a}^*\hat{z}/\hat{z}$ optimization. , 0, , .		2
848	Subspace controller reduction based on experimental data. , 0, , .		0
849	A linear matrix inequality approach to synthesizing low order l/sup $1/2$ controllers. , 0 , , .		5
850	Model reduction by balancing from a behavioral point of view. , 0, , .		0
851	Design of two-dimensional FIR filters using norm-preserving dilation. , 0, , .		0

#	Article	IF	CITATIONS
852	On the role of exact models in approximate modeling problems. , 0, , .		4
853	Recent results on model reduction methods for 2-D discrete systems. , 0, , .		5
854	Approximation of linear parameter-varying systems. , 0, , .		58
855	Model reduction of large scaled systems via frequency-domain balanced structures. , 1997, , .		17
856	Balanced realizations of symmetric composite systems. , 1997, , .		0
857	Discrete interval system reduction using Pade approximation to allow retention of dominant poles. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 1075-1078.	0.1	52
858	A MATLAB toolbox for parametric uncertain models. , 1997, , .		0
859	Real-time compensation of instrument transformer dynamics using frequency-domain interpolation techniques. , 0, , .		12
860	Model reduction methods for unstable uncertain systems. , 0, , .		12
861	Continuous-time envelope-constrained filter design via Laguerre filters and H/sub \hat{a}^* / optimization methods. , 0, , .		9
862	Spatial balanced model reduction for flexible structures. , 1997, , .		10
863	Frequency dependent error bounds for uncertain linear models. , 1997, , .		0
864	Convergent algorithms for H/sub 2/ optimal discrete filter reduction. , 0, , .		0
865	Trajectory-specific model reduction. , 0, , .		6
866	LMI-based algorithms for frequency weighted optimal H/sub 2/-norm model reduction. , 0, , .		9
867	Optimal control of a flexible manipulator and controller order reduction. , 1997, , .		1
868	Adaptive IIR system identification with fixed pole location via balanced model truncation. , 0, , .		0
869	Order reduction of 2-D FIR filters with applications. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 1055-1058.	2.3	4

#	Article	IF	CITATIONS
870	Differential Game Approach to the Mixed H-H Problem. Journal of Guidance, Control, and Dynamics, 1997, 20, 1229-1234.	1.6	17
871	Dynamic Control of Plasma Position and Shape in ITER. Fusion Science and Technology, 1997, 32, 374-389.	0.6	21
872	Hankel operators of systems with feed through delays. IMA Journal of Mathematical Control and Information, 1997, 14, 33-44.	1.1	2
873	State space methods for tangential interpolation problems. , 0, , .		0
874	On logarithmic integrals and performance bounds for MIMO systems. I. Sensitivity integral inequalities. , 0, , .		2
875	A new frequency-weighted balanced truncation method and an error bound. , 0, , .		60
876	Almost-balanced structural dynamics., 1997,,.		0
877	H â^ž Optimal Control for Industrial Robot Manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1673-1678.	0.4	0
878	Optimal H-Infinity Design of a Glide-Slope Coupler. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 249-253.	0.4	0
879	Robust Control of a Satellite Axis: Low-Order H â^ž Design and v -Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 401-406.	0.4	2
880	On Structural Identifiability of Dynamic Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 257-262.	0.4	2
881	A Revisited Algorithm for Time Delay System Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 299-304.	0.4	0
882	Suboptimal Control for Higher Order Systems via Reduced Models Using Periodic Output Feedback. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 281-285.	0.4	1
883	A New Algorithm for Compensator Design for Higher Order System via Reduced Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 323-328.	0.4	1
884	Robust Control of Variable Flow Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 93-98.	0.4	1
885	A general minimal residual Krylov subspace method for large-scale model reduction. IEEE Transactions on Automatic Control, 1997, 42, 1422-1427.	3.6	13
886	Some results concerning the asymptotic eigenvalues distribution of block-Toeplitz matrices related to the generalized orthonormal basis function model. , 0 , , .		1
887	On the partial stochastic realization problem. IEEE Transactions on Automatic Control, 1997, 42, 1049-1070.	3 . 6	63

#	ARTICLE	IF	CITATIONS
888	A new approximation method for time-delay systems. IEEE Transactions on Automatic Control, 1997, 42, 1008-1012.	3.6	23
889	Solutions to frequency weighted optimal H/sub /spl infin// model reduction problem. , 1997, , .		1
890	Parameterization of stable systems from partial impulse response sequences. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 234-242.	0.1	0
891	Relating H/sub 2/ and H/sub â^ž/-norm bounds for sampled-data systems. IEEE Transactions on Automatic Control, 1997, 42, 858-863.	3.6	8
892	A descriptor solution to a class of discrete distance problems. IEEE Transactions on Automatic Control, 1997, 42, 1558-1564.	3.6	4
893	Hâ°ž-Optimization and System Reduction for MIMO Systems. Springer Series in Information Sciences, 1997, , 208-246.	1.3	0
894	Magnitude response peak detection and control using balanced model reduction and leakage to a target. IEEE Transactions on Signal Processing, 1997, 45, 2442-2453.	3.2	2
896	Simulation of a controlled airfoil with jets. , 1997, , .		4
897	Implicitly Restarted Krylov Subspace Methods for Stable Partial Realizations. SIAM Journal on Matrix Analysis and Applications, 1997, 18, 633-652.	0.7	74
898	Low order Hâ^ž controller design: A practical analysis of the potential reduction method., 1997,,.		1
899	Optimal model reduction for systems with time delay. , 1997, , .		0
900	Frequency weighted model reduction via Quasi-Kalman decomposition. , 1997, , .		0
902	Well-conditioned computation for H \hat{a} controller near the optimum. Numerical Algorithms, 1997, 15, 193-206.	1.1	4
903	Convex invertible cones of state space systems. Mathematics of Control, Signals, and Systems, 1997, 10, 265-286.	1.4	18
904	Controller performance assessment by frequency domain techniques. Journal of Process Control, 1997, 7, 181-194.	1.7	41
905	Stationarity conditions for the L2 error surface of the generalized orthonormal basis functions lattice filter. Signal Processing, 1997, 56, 233-253.	2.1	19
906	Model reduction of systems with zeros interlacing the poles. Systems and Control Letters, 1997, 30, 19-24.	1.3	29
907	Exact computation of infimum for a class of continuous-time Hâ^ž optimal control problem with a nonzero direct feedthrough term from the disturbance input to the controlled output. Systems and Control Letters, 1997, 32, 99-109.	1.3	1

#	Article	IF	CITATIONS
908	Design of a reduced order Hâ^ž robust controller for an expendable launch vehicle in the presence of structured and unstructured parameter uncertainty. Acta Astronautica, 1997, 41, 121-130.	1.7	5
909	A note on Hankel approximation of all-pass functions. Linear Algebra and Its Applications, 1997, 255, 19-55.	0.4	3
910	On the stability of projections of balanced realizations. Linear Algebra and Its Applications, 1997, 257, 163-182.	0.4	6
911	Analytic system problems and J-lossless coprime factorization for infinite-dimensional linear systems. Linear Algebra and Its Applications, 1997, 257, 121-161.	0.4	3
912	CLOSED FORMULAE FOR THE GENERALIZED â,, 'â'ž SENSITIVITY MINIMIZATION PROBLEM. International Journal of Robust and Nonlinear Control, 1997, 7, 29-42.	2.1	0
913	CONTROLLER REDUCTION FOR NONLINEAR PLANTS—ANL2 APPROACH. International Journal of Robust and Nonlinear Control, 1997, 7, 475-505.	2.1	6
914	A numerical solution to the matrix \hat{a} , $\frac{2}{\hat{a}}$, \hat{a} optimal control problem. International Journal of Robust and Nonlinear Control, 1997, 7, 711-726.	2.1	7
915	ALMOST-BALANCED STRUCTURAL DYNAMICS. Journal of Sound and Vibration, 1997, 202, 669-687.	2.1	8
916	An efficient order recursive algorithm with a lattice structure for estimating continuous-time AR process parameters. Automatica, 1997, 33, 305-317.	3.0	4
917	Discrete model reduction preserving bounded realness. Automatica, 1997, 33, 721-724.	3.0	1
918	Analysis of H2 and Hâ^ž performance of discrete periodically time-varying controllers. Automatica, 1997, 33, 619-634.	3.0	34
919	Optimal Hankel-norm Identification of Dynamical Systems**This paper was recommended for publication in revised form by Associate Editor J. Bokor under the direction of Editor Torsten SŶderstrŶm Automatica, 1997, 33, 1235-1246.	3.0	7
920	Controller order reduction using singular perturbation approximation. Automatica, 1997, 33, 1203-1207.	3.0	9
921	Chebycheff approximation in system identification and model reduction. Automatica, 1997, 33, 1677-1682.	3.0	3
922	A New Algorithm for Compensator Design for Higher-Order System via Reduced Model. Automatica, 1998, 34, 917-920.	3.0	21
923	Reduced-order modeling for hyperthermia: an extended balanced-realization-based approach. IEEE Transactions on Biomedical Engineering, 1998, 45, 1154-1162.	2.5	16
924	Robust controller design for a nuclear power plant using H/sub /spl infin// optimization. IEEE Transactions on Nuclear Science, 1998, 45, 129-140.	1.2	14
925	State–space solution of the standard Hâ^ž control problem for strip mill gauge control. IET Control Theory and Applications, 1998, 145, 291-298.	1.7	1

#	ARTICLE	IF	Citations
926	Control of single-link flexible beam using Hankel-norm-based reduced-order model. IET Control Theory and Applications, 1998, 145, 151-158.	1.7	10
927	Design of optimal reduced order filter for unstable discrete time systems. IET Control Theory and Applications, 1998, 145, 397-404.	1.7	4
928	Optimal robust control design of static VAR compensators. IET Generation, Transmission and Distribution, 1998, 145, 301.	1.1	24
929	Robust autopilot design strategy for functionally dependent parameter uncertainties. International Journal of Robust and Nonlinear Control, 1998, 8, 113-128.	2.1	0
931	Discrete-time frequency weighted model reduction and application to sampled-data models. Optimal Control Applications and Methods, 1998, 19, 315-329.	1.3	0
932	Optimal control of a flexible manipulator and controller order reduction. Optimal Control Applications and Methods, 1998, 19, 331-343.	1.3	2
933	The 2-block superoptimalAAK problem. Mathematics of Control, Signals, and Systems, 1998, 11, 244-264.	1.4	3
934	Critical Points and Error Rank in Best H 2 Matrix Rational Approximation of Fixed McMillan Degree. Constructive Approximation, 1998, 14, 273-300.	1.8	8
935	The discrete algebraic Riccati equation and linear matrix inequality. Linear Algebra and Its Applications, 1998, 274, 317-365.	0.4	44
936	Approximation of linear operators in the 2-norm. Linear Algebra and Its Applications, 1998, 278, 309-316.	0.4	5
937	Overlapping block-balanced canonical forms for various classes of linear systems. Linear Algebra and Its Applications, 1998, 281, 171-225.	0.4	21
938	A function-theoretic approach to a parametrization of the set of solutions of a completely indeterminate matrical Nehari problem. Integral Equations and Operator Theory, 1998, 30, 1-66.	0.4	3
939	Model reduction for state-space symmetric systems. Systems and Control Letters, 1998, 34, 209-215.	1.3	48
940	Approximation problems with the divergence criterion for Gaussian variables and Gaussian processes. Systems and Control Letters, 1998, 35, 207-218.	1.3	7
941	Direct computation of infimum in discrete-time Hâ^ž-optimization using measurement feedback. Systems and Control Letters, 1998, 35, 269-278.	1.3	3
942	The best approximation of the field effects in electric circuit coupled problems. IEEE Transactions on Magnetics, 1998, 34, 3210-3213.	1.2	11
943	Two Hâ^ž Control Strategies for a Very Flexible Structure. European Journal of Control, 1998, 4, 71-81.	1.6	1
944	A robust power system control design combining system identification and genetic algorithms. , 1998, ,		1

#	Article	IF	Citations
945	Hierarchical optimization in H/sub â^ž/. IEEE Transactions on Automatic Control, 1998, 43, 1123-1128.	3.6	5
946	Simplification of nonlinear controllers: balancing approaches. , 1998, , .		0
947	Reduced order modeling using a genetic algorithm. , 0, , .		4
948	A comparison of reduced-order modelling techniques for application in hyperthermia control and estimation. International Journal of Hyperthermia, 1998, 14, 135-156.	1.1	6
949	A comparison between Hankel norms and induced system norms. IEEE Transactions on Automatic Control, 1998, 43, 1658-1662.	3.6	16
950	Detection of multiple sinusoids buried in noise via balanced model truncation. , 0, , .		4
951	Optimal actuator placement for large scale systems: A reduced-order modelling approach. International Journal of Hyperthermia, 1998, 14, 331-345.	1,1	8
952	Inner loop control of supersonic aircraft in the presence of aeroelastic modes. IEEE Transactions on Control Systems Technology, 1998, 6, 730-739.	3.2	19
953	L/sub 2/ optimal filter reduction: a closed-loop approach. IEEE Transactions on Signal Processing, 1998, 46, 11-20.	3.2	22
954	A direct approach to the design of QMF banks via frequency domain optimization. IEEE Transactions on Signal Processing, 1998, 46, 2131-2138.	3.2	17
955	Acoustic echo cancellation: do IIR models offer better modeling capabilities than their FIR counterparts?. IEEE Transactions on Signal Processing, 1998, 46, 2499-2504.	3.2	38
956	Continuous-time envelope-constrained filter design via Laguerre filters and â"‹/sub â^ž/ optimization methods. IEEE Transactions on Signal Processing, 1998, 46, 2601-2610.	3.2	21
957	Control techniques or a large segmented reflector. , 0, , .		5
958	Integrated flight and aeroelastic control of a flexible transport aircraft. , 1998, , .		2
959	Simulation of a Controlled Airfoil with Jets. Journal of Guidance, Control, and Dynamics, 1998, 21, 257-263.	1.6	1
960	Robust Model Reduction for a Flexible Spacecraft. Journal of Guidance, Control, and Dynamics, 1998, 21, 809-812.	1.6	2
961	An application of robust feedback linearization to a ball and beam control problem. , 0, , .		8
962	Shaping structure dynamics with truncation-error bounded reduced-order models for integrated mechanism/control design. , 1998 , , .		5

#	Article	lF	CITATIONS
964	Controller approximation: approaches for preserving H/sub $\hat{a}^*\hat{z}/performance$. IEEE Transactions on Automatic Control, 1998, 43, 858-871.	3.6	46
965	Weighted balanced model reduction of a flexible structure. , 1998, , .		2
966	Model reduction and H/sub $\hat{a}\hat{z}/n$ norm computation for state-space symmetric systems. , 0, , .		3
967	A structurally based approach to model order reduction using bond graphs. , 1998, , .		3
968	Further results on Hankel singular values and vectors of a class of infinite dimensional systems. , 1998, , .		2
969	Stability robustness to unstructured uncertainties of linear systems controlled on the basis of the multirate sampling of the plant output. IMA Journal of Mathematical Control and Information, 1998, 15, 241-268.	1.1	1
970	A Frequency Domain Model-Order-Deduction Algorithm for Linear Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1998, 120, 185-192.	0.9	3
971	Thermal Model Reduction Using Balanced Realisation in a Substructuring Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 865-870.	0.4	1
972	A Reduced Order Model and a Robust Controller's Synthesis of a Black-Liquor Evaporation System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 775-780.	0.4	0
973	Model Reduction for Large Scale Systems with Application to a Pulp Digester. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 259-264.	0.4	1
974	Model reduction of discrete linear systems via frequency domain balanced structure., 1998,,.		7
975	Performance preserving controller reduction via additive perturbation of closed loop transfer function. , $1998, \ldots$		4
976	Optimal filter reduction for unstable discrete-time systems. , 1998, , .		0
977	A new frequency-weighted optimal Hankel norm model reduction and an error bound. , 0, , .		6
978	An alternative computational solution for optimal two-block Nehari and HÂ problems. IMA Journal of Mathematical Control and Information, 1998, 15, 285-301.	1.1	0
979	Balanced transformations: their computation and some applications. , 0, , .		0
981	Interval system reduction using Kharitonov polynomials. , 1999, , .		0
983	Representation and reduction of model sets. , 0, , .		5

#	Article	IF	CITATIONS
984	Balanced performance preserving controller reduction. , 1999, , .		4
985	Inertia theorems for operator Lyapunov equations. , 0, , .		1
986	Semidefinite programming duality and linear system theory: connections and implications for computation. , 0 , , .		8
987	MODEL ORDER REDUCTION USING PARAMETRIC GENERALISED SINGULAR PERTURBATION APPROXIMATION. , 1999, , .		1
988	A global optimization approach for the H/sub 2/-norm model reduction problem. , 0, , .		6
989	An efficient Lyapunov equation-based approach for generating reduced-order models of interconnect. , 1999, , .		52
990	Explicit solvability conditions for the general discrete-time H infinity almost disturbance decoupling problem with internal stability. International Journal of Systems Science, 1999, 30, 105-115.	3.7	4
991	A new frequency-weighted balanced truncation method and an error bound. IEEE Transactions on Automatic Control, 1999, 44, 1734-1737.	3.6	167
992	Design of multichannel QMF banks via frequency-domain optimizations. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 599-607.	2.3	2
993	H/sub 2/ and/or H/sub /spl infin//-norm model reduction of uncertain discrete-time systems. , 1999, , .		4
994	Dissipator Placement Design for Truss Structures via Balancing Theory. Journal of Guidance, Control, and Dynamics, 1999, 22, 558-565.	1.6	0
995	Optimal Reduced-Order Estimators for Parameter-Dependent Systems. Journal of Guidance, Control, and Dynamics, 1999, 22, 846-851.	1.6	0
996	Model Reduction of Large Space Structures Using Approximate Component Cost Analysis. Journal of Guidance, Control, and Dynamics, 1999, 22, 551-557.	1.6	8
998	On the computation of the optimal Hâ^ž norms for two feedback control problems. Linear Algebra and Its Applications, 1999, 287, 223-255.	0.4	7
999	Stability and inertia. Linear Algebra and Its Applications, 1999, 302-303, 563-600.	0.4	29
1000	Cheap computation of optimal reduced-order models for systems with time delay. Journal of Process Control, 1999, 9, 365-371.	1.7	6
1001	Hâ^ž-controller design for a vibrations isolating platform. Control Engineering Practice, 1999, 7, 1333-1341.	3.2	9
1002	Thermal systems modelling via singular value decomposition: direct and modular approach. Applied Mathematical Modelling, 1999, 23, 447-468.	2.2	22

#	Article	IF	CITATIONS
1003	Frequency weighted optimal order reduction of digital filters. Signal Processing, 1999, 75, 65-77.	2.1	4
1004	Roof components models simplification via statistical linearisation and model reduction techniques. Energy and Buildings, 1999, 29, 259-281.	3.1	19
1005	A new Hâ^ž based PSS design using numerator–denominator perturbation representation. Electric Power Systems Research, 1999, 52, 37-42.	2.1	2
1006	Robust controller design for a skid to turn missile. Acta Astronautica, 1999, 45, 85-92.	1.7	4
1007	Consistency and asymptotic normality of some subspace algorithms for systems without observed inputs. Automatica, 1999, 35, 1243-1254.	3.0	97
1008	On the asymptotic eigenvalue distribution of Block-Toeplitz matrices related to the generalized orthonormal basis functions model. Automatica, 1999, 35, 1653-1661.	3.0	2
1009	Diagonal balanced truncation of discrete delay systems. Automatica, 1999, 35, 1855-1860.	3.0	9
1010	Spatial balanced model reduction for flexible structures. Automatica, 1999, 35, 269-277.	3.0	36
1011	Formulas for Hankel singular values and vectors for a class of input delay systems. Automatica, 1999, 35, 201-215.	3.0	16
1012	Low Rank Approximation of a Hankel Matrix by Structured Total Least Norm. BIT Numerical Mathematics, 1999, 39, 757-779.	1.0	53
1013	Title is missing!. Journal of Supercomputing, 1999, 13, 171-189.	2.4	5
1014	ROBUST CONTROL OF VORTEX-INDUCED VIBRATION OF A RIGID CYLINDER SUPPORTED BY AN ELASTIC BEAM USING $\hat{1}^1\!\!/4$ -SYNTHESIS. Journal of Fluids and Structures, 1999, 13, 865-875.	1.5	5
1015	Parallel adaptive wavefront algorithms solving Lyapunov equations for the Cholesky factor on message passing multiprocessors. Concurrency and Computation: Practice and Experience, 1999, 11, 849-862.	0.6	0
1016	Iterative model and controller reduction using closed-loop balancing, with application to a compact disc mechanism. International Journal of Robust and Nonlinear Control, 1999, 9, 123-142.	2.1	25
1017	Model comparison and simplification. International Journal of Robust and Nonlinear Control, 1999, 9, 157-181.	2.1	21
1018	Balanced realization and model reduction for unstable systems. International Journal of Robust and Nonlinear Control, 1999, 9, 183-198.	2.1	136
1019	Improving the efficiency of parasitic extraction and simulation of 3D interconnect models., 0,,.		8
1020	A behavioral approach to optimal model reduction. , 1999, , .		2

#	Article	IF	CITATIONS
1021	Power swing damping controller design using an iterative linear matrix inequality algorithm. IEEE Transactions on Control Systems Technology, 1999, 7, 371-381.	3.2	30
1022	Frequency-dependent error bounds for uncertain linear models. IEEE Transactions on Automatic Control, 1999, 44, 2094-2098.	3.6	8
1023	On the role of LFT model reduction methods in robust controller synthesis for a pressurized water reactor. IEEE Transactions on Control Systems Technology, 1999, 7, 248-257.	3.2	15
1024	Parametric H/sub â^ž/ loopshaping and weighted mixed sensitivity minimization. IEEE Transactions on Automatic Control, 1999, 44, 846-852.	3.6	12
1025	Parametrization and optimization of reduced-order filters. IEEE Transactions on Automatic Control, 1999, 44, 418-422.	3.6	6
1026	Model order reduction of large circuits using balanced truncation. , 1999, , .		40
1027	Efficient model reduction of interconnect via approximate system gramians. , 0, , .		20
1028	System identification using IDFT for structural dynamic models. , 1999, , .		O
1029	An approximate approach to H/sup 2/ optimal model reduction. IEEE Transactions on Automatic Control, 1999, 44, 1341-1358.	3.6	128
1030	Parameter extraction for microwave devices based on 4SID techniques. IEEE Transactions on Magnetics, 1999, 35, 1781-1784.	1.2	4
1031	Induced convolution operator norms of linear dynamical systems. , 1999, , .		1
1032	An efficient Lyapunov equation-based approach for generating reduced-order models of interconnect.		14
1033	Model reduction of large scale systems using approximate component cost analysis., 1999,,.		1
1034	Computation of Balanced Realisation Approximations of Delay Systems. European Journal of Control, 1999, 5, 342-352.	1.6	O
1035	Reply to "Comments on 'A weighted least-squares method for the design of stable 1-D and 2-D IIR digital filters'". IEEE Transactions on Signal Processing, 1999, 47, 2066-2066.	3.2	5
1036	Integrated structure/control design based on model validity and robustness margin. , 1999, , .		3
1037	Reduced-Order Modeling Techniques Based on Krylov Subspaces and Their Use in Circuit Simulation. , 1999, , 435-498.		86
1038	On asymptotic stability of a receding horizon control scheme. , 0, , .		3

#	Article	IF	CITATIONS
1039	Modeling of normalized coprime factors with $\hat{l}\frac{1}{2}$ -metric uncertainty. IEEE Transactions on Automatic Control, 1999, 44, 1498-1511.	3.6	16
1040	L 2 model reduction for linear continuous time-delay systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1702-1707.	0.4	0
1041	Further results on H 2 optimal model reduction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1684-1689.	0.4	0
1042	A new balanced realization and model reduction method for unstable systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1696-1701.	0.4	7
1043	Sensitivity minimization of MIMO systems with a stable controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1025-1030.	0.4	2
1044	Empirical model reduction of controlled nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 2598-2603.	0.4	96
1046	Model reduction for classes of uncertain, multi-dimensional, parameter varying and non-linear systems. , 1999, , 269-280.		3
1047	Closed-Loop Parametrization Schemes: Identification of the K-B and d-Y Parameters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 297-302.	0.4	6
1048	Generalized Internal Model Control for a Single Flexible Beam *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 645-650.	0.4	0
1049	Comparison of Different Closed-Loop Parametrization Schemes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 715-720.	0.4	0
1053	A covariance extension approach to identification of time series. Automatica, 2000, 36, 379-398.	3.0	10
1054	Rational approximation in linear systems and control. Journal of Computational and Applied Mathematics, 2000, 121, 355-378.	1.1	30
1055	Minimal state-space realization in linear system theory: an overview. Journal of Computational and Applied Mathematics, 2000, 121, 331-354.	1.1	124
1056	Modifications of rational transfer matrices to achieve positive realness. Signal Processing, 2000, 80, 615-635.	2.1	25
1057	Using model size reduction techniques for thermal control applications in buildings. Energy and Buildings, 2000, 33, 1-14.	3.1	37
1058	A note on system modelling and control in the case of conflicting objectives. Annals of Operations Research, 2000, 97, 91-97.	2.6	1
1059	Problems of Adamjanâ€"Arovâ€"Krein Type on Subsets of the Circle and Minimal Norm Extensions. Constructive Approximation, 2000, 16, 333-357.	1.8	17
1060	Optimal zeros for model reduction of continuous-time systems. , 2000, , .		11

#	Article	IF	CITATIONS
1061	Optimal Angle Reduction : A Behavioral Approach To Linear System Approximation. SSRN Electronic Journal, 2000, , .	0.4	1
1062	Singular perturbation analysis of system order reduction via system balancing., 2000, , .		8
1063	Improved convergence in the sequential regression algorithm for the adaptive identification of IIR systems. , 0, , .		1
1064	Fixed-structure synthesis of induced-norm controllers. International Journal of Control, 2000, 73, 1437-1448.	1.2	2
1065	Evolutionary Lâ^ž identification and model reduction for robust control. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2000, 214, 231-238.	0.7	4
1066	Chain-scattering approach to H/spl infin/ control [Book Review]. IEEE Transactions on Automatic Control, 2000, 45, 1412-1413.	3.6	0
1067	Model reduction of flexible manipulators. , 0, , .		1
1068	Maximally robust controllers for multivariable systems. , 0, , .		0
1069	Model reduction software in the SLICOT library. , 0, , .		2
1070	A comparative study of 7 algorithms for model reduction. , 0, , .		44
1070	A comparative study of 7 algorithms for model reduction., 0,,. A Course in Robust Control Theory. Texts in Applied Mathematics, 2000,,.	0.4	606
		0.4	
1071	A Course in Robust Control Theory. Texts in Applied Mathematics, 2000, , .		606
1071	A Course in Robust Control Theory. Texts in Applied Mathematics, 2000, , . Robust and Hâ^ž Control. Communications and Control Engineering, 2000, , . Generating nearly optimally compact models from Krylov-subspace based reduced-order models. IEEE	1.0	606
1071 1072 1073	A Course in Robust Control Theory. Texts in Applied Mathematics, 2000, , . Robust and Hâ^ž Control. Communications and Control Engineering, 2000, , . Generating nearly optimally compact models from Krylov-subspace based reduced-order models. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 239-248.	1.0	606 122 81
1071 1072 1073	A Course in Robust Control Theory. Texts in Applied Mathematics, 2000, , . Robust and Hâ^ž Control. Communications and Control Engineering, 2000, , . Generating nearly optimally compact models from Krylov-subspace based reduced-order models. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 239-248. A new controller architecture for high performance, robust, and fault tolerant control. , 0, , . Maximally Robust Controllers for Multivariable Systems. SIAM Journal on Control and Optimization,	1.0 2.3	606 122 81 8
1071 1072 1073 1074	A Course in Robust Control Theory. Texts in Applied Mathematics, 2000, , . Robust and Hâ´ž Control. Communications and Control Engineering, 2000, , . Generating nearly optimally compact models from Krylov-subspace based reduced-order models. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 239-248. A new controller architecture for high performance, robust, and fault tolerant control. , 0, , . Maximally Robust Controllers for Multivariable Systems. SIAM Journal on Control and Optimization, 2000, 38, 1805-1829.	1.0 2.3	606 122 81 8

#	Article	IF	CITATIONS
1079	Minimality and local state decompositions of a nonlinear state space realization using energy functions. IEEE Transactions on Automatic Control, 2000, 45, 2079-2086.	3.6	44
1080	Gramian based interaction measure. , 0, , .		48
1081	Model reduction of discrete linear systems via frequency-domain balanced structure. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 830-837.	0.1	49
1082	Parametric generalized singular perturbation approximation for model order reduction. IEEE Transactions on Automatic Control, 2000, 45, 339-343.	3.6	12
1083	Optimal Hankel norm approximation for the Pritchard-Salamon class of non-exponentially stable infinite-dimensional systems. , 0, , .		1
1084	Emerging simulation approaches for micromachined devices. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2000, 19, 1572-1589.	1.9	79
1085	Logarithmic integrals, interpolation bounds, and performance limitations in MIMO feedback systems. IEEE Transactions on Automatic Control, 2000, 45, 1098-1115.	3.6	85
1086	State Estimation Using a Reduced-Order Kalman Filter. Journals of the Atmospheric Sciences, 2001, 58, 3666-3680.	0.6	88
1087	The Quadratic Eigenvalue Problem. SIAM Review, 2001, 43, 235-286.	4.2	1,030
1088	A new controller architecture for high performance, robust, and fault-tolerant control. IEEE Transactions on Automatic Control, 2001, 46, 1613-1618.	3.6	279
1089	Optimal approximation of linear systems by a differential evolution algorithm. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2001, 31, 698-707.	3.4	103
1090	On Frequency Weighted Balanced Truncation: Hankel Singular Values and Error Bounds. European Journal of Control, 2001, 7, 584-592.	1.6	15
1091	Discussion on:â€~On Frequency Weighted Balanced Truncation: Hankel Singular Values and Error Bounds' by T. Van Gestel, B. De Moor, B.D.O. Anderson and P. Van Overschee. European Journal of Control, 2001, 7, 593-595.	1.6	1
1092	Application of oblique projection Krylov subspace method for large scale model reduction., 0,,.		1
1093	Refinement of balancing order reduction techniques using Kessler's formula., 2001,,.		0
1094	Efficient balance-and-truncate model reduction for large scale systems. , 2001, , .		17
1095	Open-loop discretization methods for control systems design. International Journal of Control, 2001, 74, 1527-1542.	1,2	2
1096	On the stable â,, sub â^ž/ controller parameterization under sufficient condition. IEEE Transactions on Automatic Control, 2001, 46, 1618-1623.	3.6	21

#	ARTICLE	IF	CITATIONS
1097	Implicit restart scheme for large scale Krylov subspace model reduction method. , 0, , .		4
1098	Asymptotic properties of the best sampled-data control performance. IEEE Transactions on Automatic Control, 2001, 46, 1132-1137.	3.6	4
1099	An efficient balanced truncation realization algorithm for interconnect model order reduction. , 0, , .		9
1100	Balanced truncation with spectral shaping for RLC interconnects. , 0, , .		3
1101	Performance preserving controller reduction via additive perturbation of the closed-loop transfer function. IEEE Transactions on Automatic Control, 2001, 46, 771-775.	3.6	12
1102	Robust control of SSSC to improve torsional damping. , 0, , .		17
1103	An optimum fitting algorithm for generation of reduced-order models. , 0, , .		0
1104	Model reduction of variable-geometry interconnects using variational spectrally-weighted balanced truncation. , 0 , , .		31
1105	Model reduction via frequency weighting approach. , 0, , .		0
1107	Numerical approach for the frequency-weighted Hankel-norm approximation. , 2001, , .		3
1108	On frequency weighted balanced truncation: A constructive counterexample to Enns' conjecture. , 2001, , .		2
1109	Improving system properties using operator transformations. , 2001, , .		0
1110	SICOMAT: A system for Simulation and COntrol analysis of MAchine Tools., 0,,.		1
1111	Accurate Low-Dimensional Approximation of the Linear Dynamics of Fluid Flow. Journals of the Atmospheric Sciences, 2001, 58, 2771-2789.	0.6	62
1112	Observer-form scheduling of an H-infinity loopshaping integrated flight and propulsion control law. , 2001, , .		0
1113	Fast algorithms for solving H/sub â^ž/-norm minimization problems. , 0, , .		7
1114	Inertia theorems for operator Lyapunov inequalities. Systems and Control Letters, 2001, 43, 127-132.	1.3	7
1115	The four-block Adamjan–Arov–Krein problem for discrete-time systems. Linear Algebra and Its Applications, 2001, 328, 95-119.	0.4	2

#	Article	IF	CITATIONS
1116	Optimal angle reduction—a behavioral approach to linear system approximation. Linear Algebra and Its Applications, 2001, 337, 189-235.	0.4	4
1117	Probability-one homotopy algorithms for solving the coupled Lyapunov equations arising in reduced-order H2/Hâ^ž modeling, estimation, and control. Applied Mathematics and Computation, 2001, 123, 155-185.	1.4	13
1118	Reduced-order controllers for unstable multivariable linear systems that can be balanced. Applied Mathematics and Computation, 2001, 120, 55-63.	1.4	4
1119	Robust cross-directional control of large scale sheet and film processes. Journal of Process Control, 2001, 11, 149-177.	1.7	31
1120	Optimal Hankel norm approximation for the Pritchard-Salamon class of infinite-dimensional systems. Integral Equations and Operator Theory, 2001, 39, 98-126.	0.4	11
1121	Dimensional model reduction in nonâ€linear finite element dynamics of solids and structures. International Journal for Numerical Methods in Engineering, 2001, 51, 479-504.	1.5	215
1122	Improvement of system order reduction via balancing using the method of singular perturbations. Automatica, 2001, 37, 1859-1865.	3.0	20
1123	Some Optimization Problems for Vibroprotective Systems. International Applied Mechanics, 2001, 37, 456-483.	0.2	9
1124	Best Meromorphic Approximation of Markov Functions on the Unit Circle. Foundations of Computational Mathematics, 2001, 1, 385-416.	1.5	8
1125	Adaptive IIR filter initialization via hybrid FIR/IIR adaptive filter combination. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1830-1835.	2.4	5
1126	New efficient frequency domain algorithm for Hâ^ž approximation with applications to controller reduction. IET Control Theory and Applications, 2001, 148, 383-390.	1.7	3
1127	Partial pole placement of Hâ^ž based PSS design using numerator-denominator perturbation representation. IET Generation, Transmission and Distribution, 2001, 148, 413.	1.1	11
1128	H8model reduction for linear time-delay systems: Continuous-time case. International Journal of Control, 2001, 74, 1062-1074.	1.2	96
1129	Fault tolerant control of a gyroscope system. , 2001, , .		7
1130	Aircraft flight controls design using constrained output feedback - An H-infinity loopshaping approach. , 2001, , .		7
1131	Model Identification and Adaptive Control., 2001,,.		5
1132	A Survey on Parameter Extraction Techniques for Coupling Electromagnetic Devices to Electric Circuits. Lecture Notes in Computational Science and Engineering, 2001, , 337-357.	0.1	2
1133	Lateral dynamics and robust control synthesis for automated car steering. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2001, 215, 31-43.	1.1	1

#	Article	IF	CITATIONS
1134	Balanced truncation with spectral shaping for RLC interconnects. , 2001, , .		7
1135	Optimal model reduction of discrete-time systems. , 2001, , .		0
1136	An optimum fitting algorithm for generation of reduced-order models., 2001,,.		0
1137	Model and controller reduction for flexible aircraft preserving robust performance., 2001,,.		1
1138	H/sub 2/ near-optimal model reduction. IEEE Transactions on Automatic Control, 2001, 46, 1279-1284.	3.6	19
1139	A trajectory piecewise-linear approach to model order reduction and fast simulation of nonlinear circuits and micromachined devices. , 0, , .		40
1140	Optimal <i>L⁸</i> Model reduction using genetic algorithms. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2001, 24, 607-618.	0.6	0
1141	Inner-outer factorization for strictly proper transfer matrices. IEEE Transactions on Automatic Control, 2002, 47, 1915-1919.	3.6	13
1142	Guaranteed passive balancing transformations for model order reduction. , 2002, , .		28
1143	Numerical software in SLICOT for low order controller design. , 0, , .		3
1144	On projection-based algorithms for model-order reduction of interconnects. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1563-1585.	0.1	75
1145	Finite horizon model reduction and the appearance of dissipation in Hamiltonian systems. , 0, , .		8
1146	On computing the l/sub $1/$ norm of a polynomial matrix fraction. , 0 , , .		2
1147	Robust Control of Linearized Poiseuille Flow. Journal of Guidance, Control, and Dynamics, 2002, 25, 145-151.	1.6	10
1148	Nonlinear Model Reduction for Dynamic and Automotive System Descriptions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2002, 124, 637-647.	0.9	8
1149	Numerical algorithm for model reduction of polytopic uncertain linear systems. , 2002, , .		5
1150	A limitation on active filter dynamic range. , 0, , .		0
1151	Error bounds for balanced truncation of linear time-varying systems. , 0, , .		2

#	Article	IF	Citations
1152	An approximation approach to decentralized H/sub â^ž/ control. , 0, , .		2
1153	LMI approach to structured model reduction via coprime factorizations. , 2002, , .		5
1154	A new bound of the $\frac{ \text{spl Lscr} }{\text{sub }2 [0, T]}$ -induced norm and applications to model reduction. , 2002, , .		5
1155	Control analysis for non-axisymmetric resistive wall mode stabilization in the DIII-D tokamak. , 2002, , .		O
1156	System identification using LQG-balanced model reduction. , 0, , .		2
1157	Guaranteed passive balancing transformations for model order reduction. Proceedings - Design Automation Conference, 2002, , .	0.0	33
1158	Model reduction of nonstationary LPV systems. , 0, , .		5
1159	Frequency response error bounds for time-weighted balanced truncation. , 0, , .		4
1160	Generalized algebraic Riccati equations and its application to balanced stochastic truncations. , 2002, , .		3
1161	Poverty-environment-development nexus. International Journal of Global Environmental Issues, 2002, 2, 344.	0.1	4
1162	Control performance of an electrorheological suspension system considering actuator time constant. International Journal of Vehicle Design, 2002, 29, 226.	0.1	4
1163	BALANCED MODEL REDUCTION OF LINEAR TIME-VARYING SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 255-260.	0.4	5
1164	STABILIZER DESIGN FOR INDUSTRIAL CO-GENERATION SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 133-138.	0.4	0
1165	On two projection related properties of the L/sub 2/ optimal reduced order model. , 0, , .		0
1166	A GLOBAL OPTIMIZATION APPROACH FOR THE PROBLEM OF CONTROLLER ORDER REDUCTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 307-312.	0.4	0
1167	ESTIMATING GRAMIANS OF LARGE-SCALE TIME-VARYING SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 325-330.	0.4	6
1168	CONTINUOUS-TIME IDENTIFICATION USING LQG-BALANCED MODEL REDUCTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 127-132.	0.4	0
1169	HANKEL-NORM BASED INTERACTION MEASURE FOR INPUT-OUTPUT PAIRING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 429-434.	0.4	59

#	Article	IF	CITATIONS
1170	Stability analysis and observer design for neutral delay systems. IEEE Transactions on Automatic Control, 2002, 47, 478-483.	3.6	87
1171	H/sub $\hat{a}^*\hat{z}$ / robust control of high order system based on adaptive low order model with dead-time. , 0, , .		0
1172	Computation of reduced-order models of multivariable systems by balanced truncation. International Journal of Systems Science, 2002, 33, 847-854.	3.7	6
1173	H/sub â^ž/ control for nonlinear descriptor systems. IEEE Transactions on Automatic Control, 2002, 47, 1919-1925.	3.6	83
1174	Implementation of Control Algorithms in an Environment of Dynamically Scheduled CPU Time Using Balanced Truncation. , 2002, , .		3
1175	On designing observers for time-delay systems with non-linear disturbances. International Journal of Control, 2002, 75, 803-811.	1.2	83
1176	The partial loop transfer recovery for servosystems. , 0, , .		0
1177	Parameter tuning of fixed structure controller for power system stability enhancement., 0,,.		14
1178	Efficient approximate balanced truncation of general large-scale RLC systems via Krylov methods. , 0, , .		6
1179	Simultaneous stabilization of MIMO systems via robustly stabilizing a central plant. IEEE Transactions on Automatic Control, 2002, 47, 363-369.	3.6	21
1180	A simple frequency weighted model reduction using structurally balanced truncation: Existence of solutions. International Journal of Control, 2002, 75, 1190-1195.	1.2	17
1181	Model and controller reduction for flexible aircraft preserving robust performance. IEEE Transactions on Control Systems Technology, 2002, 10, 229-237.	3.2	19
1182	On generating compact, passive models of frequency-described systems. , 0, , .		3
1183	Matrix rational H/sup 2/ approximation: a state-space approach using Schur parameters. , 0, , .		7
1184	All optimal Hankel-norm approximations and their â,,'/sub â^ž/ error bounds in discrete-time. , 0, , .		0
1185	Low Rank Solution of Lyapunov Equations. SIAM Journal on Matrix Analysis and Applications, 2002, 24, 260-280.	0.7	254
1186	Sub-optimal Hankel norm approximation for the analytic class of infinite-dimensional systems. Integral Equations and Operator Theory, 2002, 43, 356-377.	0.4	6
1187	Robust model-order reduction of complex biological processes. Journal of Process Control, 2002, 12, 807-821.	1.7	23

#	Article	IF	CITATIONS
1188	Stabilizer design for industrial co-generation systems. Control Engineering Practice, 2002, 10, 615-624.	3.2	3
1189	Scheduling schemes for an integrated flight and propulsion control system. Control Engineering Practice, 2002, 10, 685-696.	3.2	25
1190	Controller design and analysis for automatic steering of passenger cars. Mechatronics, 2002, 12, 427-446.	2.0	34
1191	A subspace approach to balanced truncation for model reduction of nonlinear control systems. International Journal of Robust and Nonlinear Control, 2002, 12, 519-535.	2.1	407
1192	The Sylvester equation and approximate balanced reduction. Linear Algebra and Its Applications, 2002, 351-352, 671-700.	0.4	140
1193	L2 Model reduction and variance reduction. Automatica, 2002, 38, 1517-1530.	3.0	32
1194	An efficient DC-gain matched balanced truncation realization for VLSI interconnect circuit order reduction. Microelectronic Engineering, 2002, 60, 3-15.	1.1	2
1195	A Gradient Flow Approach to Optimal Model Reduction of Discrete-Time Periodic Systems. Journal of Global Optimization, 2002, 23, 373-399.	1.1	2
1196	Computation of Signature Symmetric Balanced Realizations. Journal of Global Optimization, 2003, 27, 135-148.	1.1	3
1197	A Modified Low-Rank Smith Method for Large-Scale Lyapunov Equations. Numerical Algorithms, 2003, 32, 27-55.	1.1	126
1198	Hâ^ž model reduction for singular systems: continuous-time case. IET Control Theory and Applications, 2003, 150, 637-641.	1.7	9
1199	State-space truncation methods for parallel model reduction of large-scale systems. Parallel Computing, 2003, 29, 1701-1722.	1.3	45
1201	Efficient model reduction of large scale systems using Krylov-subspace iterative methods. International Journal of Engineering Science, 2003, 41, 507-520.	2.7	1
1202	A generalization of the bounded real lemma. Linear Algebra and Its Applications, 2003, 372, 79-103.	0.4	6
1203	Principle of frequency-domain balanced structure in linear systems and model reduction. Computers and Electrical Engineering, 2003, 29, 463-477.	3.0	29
1204	Structure-preserving model reduction for mechanical systems. Physica D: Nonlinear Phenomena, 2003, 184, 304-318.	1.3	118
1205	Hâ^ž model reduction for discrete-time singular systems. Systems and Control Letters, 2003, 48, 121-133.	1.3	48
1206	Hankel norm approximation for well-posed linear systems. Systems and Control Letters, 2003, 48, 407-414.	1.3	12

#	Article	IF	CITATIONS
1207	Balanced truncation model reduction for descriptor systems. Proceedings in Applied Mathematics and Mechanics, 2003, 3, 5-8.	0.2	3
1208	Designing robustly stabilising controllers for LTI spatially distributed systems using coprime factor synthesis. Automatica, 2003, 39, 193-203.	3.0	11
1209	An Overview of Matrix Factorization Theory and Operator Applications. , 2003, , 1-102.		47
1210	Model reduction methods based on Krylov subspaces. Acta Numerica, 2003, 12, 267-319.	6.3	262
1211	Compact modeling of electrical devices for electrothermal analysis. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 465-476.	0.1	76
1212	Nonlinear filtering for state delayed systems with markovian switching. IEEE Transactions on Signal Processing, 2003, 51, 2321-2328.	3.2	75
1213	On gramians and balanced truncation of discrete-time bilinear systems. International Journal of Control, 2003, 76, 414-427.	1,2	59
1214	An extended symplectic pencil approach to the optimal H @ problem. International Journal of Control, 2003, 76, 1248-1253.	1.2	0
1215	\$H_infty\$ Model Reduction in the Stochastic Framework. SIAM Journal on Control and Optimization, 2003, 42, 1293-1309.	1.1	44
1216	A trajectory piecewise-linear approach to model order reduction and fast simulation of nonlinear circuits and micromachined devices. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2003, 22, 155-170.	1.9	447
1217	Projection-based approaches for model reduction of weakly nonlinear, time-varying systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2003, 22, 171-187.	1.9	190
1218	Guaranteed passive balancing transformations for model order reduction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2003, 22, 1027-1041.	1.9	218
1219	Linear System Identification as Curve Fitting. , 2003, , 203-215.		8
1220	Error-bounds for balanced model-reduction of linear time-varying systems. IEEE Transactions on Automatic Control, 2003, 48, 946-956.	3.6	7 3
1221	A New Class of Decentralized Estimators for Large-Scale Systems. European Journal of Control, 2003, 9, 474-482.	1.6	5
1222	Loop Performance Assessment for Decentralized Control of Stable Linear Systems. European Journal of Control, 2003, 9, 118-132.	1.6	17
1223	Design of reduced-order controller by using real-coded genetic algorithm. , 0, , .		1
1224	New criteria for model reduction of sampled data control systems. , 2003, , .		0

#	Article	IF	CITATIONS
1225	Semidefinite programming duality and linear time-invariant systems. IEEE Transactions on Automatic Control, 2003, 48, 30-41.	3.6	149
1226	A frequency-domain approach to frequency-weighted balanced realization. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 655-662.	0.1	3
1227	A linear matrix inequality approach to H/sub \hat{a}^* / controller order reduction with stability and performance preservation. , 0, , .		4
1228	Multidimensional inverse heat conduction problems solution via lagrange theory and model size reduction techniques. Inverse Problems in Science and Engineering, 2003, $11,515-539$.	0.5	15
1229	Distance between behaviours. International Journal of Control, 2003, 76, 1214-1223.	1,2	8
1230	Parallel algorithms for model reduction of discrete-time systems. International Journal of Systems Science, 2003, 34, 319-333.	3.7	5
1231	A method of robust model matching control for nonminimum phase discrete-time systems in the presence of unmodeled dynamics. , 0 , , .		0
1232	AN EFFICIENT COMPUTATIONAL METHOD FOR SOLVING LARGE-SCALE DIFFERENTIAL SENSITIVITY PROBLEMS. Numerical Heat Transfer, Part B: Fundamentals, 2003, 43, 353-372.	0.6	7
1233	Structural Dynamic System Reconstruction Method for Vibrating Structures. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2003, 125, 646-653.	0.9	2
1234	Plant order reduction for controller design. , 0, , .		1
1235	Stability and performance preserving controller order reduction via Youla parameterization and LMIS. , 0 , , .		2
1236	A novel AGC simulation scheme based on reduced order prime mover models. , 0, , .		3
1237	A TBR-based trajectory piecewise-linear algorithm for generating accurate low-order models for nonlinear analog circuits and MEMS. , 2003, , .		39
1238	Orthonormal rational functions via the Jury table and their applications. , 0, , .		3
1239	Blind deconvolution of dynamical systems using a balanced parameterized state space approach., 0,,.		1
1240	Structured frequency weighted model reduction. , 0, , .		2
1241	The Grassmannian approach versus a J-spectral factorization approach to approximation problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 161-166.	0.4	0
1242	Connections Between L 2 -Model Reduction and Balanced Truncation *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1849-1854.	0.4	0

#	ARTICLE	IF	CITATIONS
1243	Some frequency-domain approaches to the model reduction of delay systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1-9.	0.4	15
1244	Robust servo control design for mechanical systems using mixed uncertainty modelling. , 2003, , .		1
1245	Singular value analysis of Hankel operators for general nonlinear systems. , 2003, , .		11
1246	Using the Bootstrap as an Aid in Choosing the Approximate Representation for Vector Time Series - Financial and Economic Forecasting (Chapter 6). SSRN Electronic Journal, 2003, , .	0.4	0
1247	Design of Infinite Impulse Response (IIR) filters with almost linear phase characteristics., 2003,,.		0
1248	Ordnungsreduktion mittels Krylov-Unterraummethoden (Order Reduction using Krylov Subspace) Tj $$ ETQq 110.7	84314 rgl	BT /Overlock
1249	Passivity-preserving model reduction via a computationally efficient project-and-balance scheme. , 2004, , .		8
1251	Low-Rank Solution of Lyapunov Equations. SIAM Review, 2004, 46, 693-713.	4.2	47
1252	Super-optimal model reduction in sense of Hankel-norm., 0,,.		3
1253	Model reduction of discrete time systems through linear matrix inequalities*. International Journal of Control, 2004, 77, 978-984.	1.2	20
1254	Descriptor systems approximation. International Journal of General Systems, 2004, 33, 99-110.	1,2	4
1255	A new approach for speech modeling based on model reduction. , 0, , .		2
1256	Hankel norm approximation of linear systems with time-varying delay: continuous and discrete cases. International Journal of Control, 2004, 77, 1503-1520.	1.2	37
1257	Variational interconnect analysis via PMTBR. , 0, , .		55
1258	Model order reduction of structural dynamics of a very large optical telescope. , 2004, , .		4
1259	Exploiting input information in a model reduction algorithm for massively coupled parasitic networks., 2004,,.		18
1260	Computing optimal Hankel norm approximations of large-scale systems. , 2004, , .		9
1261	Nonlinear H(Infinity) Control Of A Uav., 2004, , 111-131.		0

#	Article	IF	CITATIONS
1262	Finite horizon model reduction of a class of neutrally stable systems with applications to texture synthesis and recognition. , 2004 , , .		13
1263	Frequency dependent model phase reduction using convex optimization. , 2004, , .		4
1264	Design of reduced-order robust controllers for flexible structural systems. , 0, , .		0
1265	Poor man's TBR: a simple model reduction scheme. , 0, , .		24
1266	MRedTool - a MATLAB toolbox for model reduction of multi-dimensional systems. , 2004, , .		1
1267	RC interconnect circuits and its balanced truncated models. , 0, , .		8
1268	Introduction To Robust Control. , 2004, , 1-2.		0
1269	Anytime Control Algorithm: Model Reduction Approach. Journal of Guidance, Control, and Dynamics, 2004, 27, 767-776.	1.6	45
1271	STABILITY, INERTIA, AND ROBUST STABILITY. , 2004, , 201-243.		2
1272	REALIZATION AND SUBSPACE IDENTIFICATION. , 2004, , 307-342.		O
1273	FEEDBACK STABILIZATION, EIGENVALUE ASSIGNMENT, AND OPTIMAL CONTROL. , 2004, , 343-404.		2
1274	INTERNAL BALANCING AND MODEL REDUCTION. , 2004, , 601-646.		0
1275	Model reduction for descriptor systems., 0,,.		3
1276	Speech Modeling via Model Reduction. International Journal of Speech Technology, 2004, 7, 311-318.	1.4	2
1277	Gramian-Based Model Reduction for Descriptor Systems. Mathematics of Control, Signals, and Systems, 2004, 16, 297-319.	1.4	137
1278	Robust controller synthesis for multivariable nonlinear systems with unmeasured disturbances. Chemical Engineering Science, 2004, 59, 977-986.	1.9	12
1279	A Naimark Dilation Perspective of Nevanlinna-Pick Interpolation. Integral Equations and Operator Theory, 2004, 49, 323-378.	0.4	4
1280	Sub-optimal Hankel norm approximation problem: a frequency-domain approach. Systems and Control Letters, 2004, 52, 75-83.	1.3	5

#	Article	IF	CITATIONS
1281	Physical parameter sensitivity of system eigenvalues and physical model reduction. Journal of the Franklin Institute, 2004, 341, 631-655.	1.9	8
1282	An algorithmic approach for system decomposition and balanced realized model reduction. Journal of the Franklin Institute, 2004, 341, 615-630.	1.9	35
1283	Low-order model for speech signals. Signal Processing, 2004, 84, 1805-1811.	2.1	11
1284	Reduced linear state model of hollow blocks walls, validation using hot box measurements. Energy and Buildings, 2004, 36, 1107-1115.	3.1	45
1285	Some frequency-domain approaches to the model reduction of delay systems. Annual Reviews in Control, 2004, 28, 65-73.	4.4	45
1286	<tex>\$H_infty \$</tex> Control of Nonperiodic Two-Dimensional Channel Flow. IEEE Transactions on Control Systems Technology, 2004, 12, 111-122.	3.2	31
1287	Model Reduction of Uncertain FIR Discrete-Time Systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2004, 51, 406-411.	2.3	11
1288	Reduced-order H/sub â^ž/ controller synthesis using a real-coded genetic algorithm. , 0, , .		0
1289	A fast Newton/Smith algorithm for solving algebraic Riccati equations and its application in model order reduction. , 0 , , .		2
1290	DQIT: <tex>\$mu\$</tex> -Synthesis Without D-Scale Fitting. IEEE Transactions on Automatic Control, 2004, 49, 2028-2032.	3.6	1
1291	Hâ^žmodel reduction for discrete time-delay systems: delay-independent and dependent approaches. International Journal of Control, 2004, 77, 321-335.	1.2	81
1292	MIMO interaction measure and controller structure selection. International Journal of Control, 2004, 77, 367-383.	1.2	118
1293	Generating Compact, Guaranteed Passive Reduced-Order Models of 3-D RLC Interconnects. IEEE Transactions on Advanced Packaging, 2004, 27, 569-580.	1.7	17
1294	Balanced Truncation of Linear Time-Varying Systems. IEEE Transactions on Automatic Control, 2004, 49, 217-229.	3.6	125
1295	Identification and Open-Loop Tracking Control of a Piezoelectric Tube Scanner for High-Speed Scanning-Probe Microscopy. IEEE Transactions on Control Systems Technology, 2004, 12, 449-454.	3.2	179
1296	A Low-Order Hâ^ž Controller Design for an Active Suspension System via Linear Matrix Inequalities. JVC/Journal of Vibration and Control, 2004, 10, 1181-1197.	1.5	11
1297	H(Infinity) Optimal Control. , 2004, , 17-39.		1
1298	Nonlinear H(Infinity) Control. , 2004, , 53-92.		0

#	ARTICLE	IF	Citations
1299	Direct Approach To Nonlinear H(Infinity) Control., 2004,, 93-110.		0
1300	Adaptation of multi-joint movements during postural disturbances. , 2004, 2006, 149-52.		O
1301	A Continuous Time Balanced Parametrization Approach to Multichannel Blind Deconvolution. Lecture Notes in Computer Science, 2004, , 516-523.	1.0	0
1302	Hardware Implementation Example. , 2004, , 139-153.		0
1304	Describing Function., 2004,, 3-16.		0
1306	A case study in model reduction of linear time-varying systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 249-254.	0.4	0
1307	A New Method for Controller Reduction Using Linear Matrix Inequalities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 309-315.	0.4	0
1308	Efficient low-order auto regressive moving average (ARMA) models for speech signals. Acoustics Research Letters Online: ARLO, 2004, 5, 75-81.	0.7	3
1309	CONTROLLER DESIGN FOR A CLASS OF NONLINEAR STOCHASTIC SYSTEMS WITH TIME-DELAYS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 71-76.	0.4	0
1310	SYSTEMATIC APPROACH TO THE SELECTION OF REDUCED MODELS. APPLICATION TO A PRACTICAL CASE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 444-449.	0.4	0
1311	Practical applications of singular value decomposition in rotordynamics. Australian Journal of Mechanical Engineering, 2005, 2, 21-32.	1.5	9
1312	MIMO INTERACTIONS IN SAMPLED DATA SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 119-124.	0.4	2
1313	MINIMIZING INTERACTION OF SUBSYSTEMS IN LARGE-SCALE INTERCONNECTED SYSTEMS USING GENERALIZED SAMPLING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 166-171.	0.4	2
1314	DISCRETE SYSTEM ORDER-REDUCTION VIA BALANCING TRANSFORMATION USING SINGULAR PERTURBATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 326-331.	0.4	1
1315	Distributed Forcing of Forecast and Assimilation Error Systems. Journals of the Atmospheric Sciences, 2005, 62, 460-475.	0.6	15
1316	Structured coprime factor model reduction based on LMIsâ ⁺ †. Automatica, 2005, 41, 145-151.	3.0	22
1317	Structured coprime factor model reduction based on LMIs. Automatica, 2005, 41, 145-151.	3.0	53
1318	Model reduction of periodic systems: a lifting approach. Automatica, 2005, 41, 1085-1090.	3.0	30

#	Article	IF	CITATIONS
1319	Reduction of stable differential–algebraic equation systems via projections and system identification. Journal of Process Control, 2005, 15, 639-650.	1.7	28
1320	Experimental validation of different MIMO-feedback controller design methods. Control Engineering Practice, 2005, 13, 1439-1451.	3.2	28
1321	Weight optimisation inHâ^žloop-shaping. Automatica, 2005, 41, 1201-1208.	3.0	63
1322	â"∢ â^ž model reduction of linear systems with distributed delay. IET Control Theory and Applications, 2005, 152, 662-674.	1.7	48
1323	â, «â^ž model reduction for uncertain two-dimensional discrete systems. Optimal Control Applications and Methods, 2005, 26, 199-227.	1.3	49
1324	Balanced truncated models of RC interconnect circuits and their simulation. Journal of Electronics, 2005, 22, 403-408.	0.2	7
1325	Design and Verification of High-Speed VLSI Physical Design. Journal of Computer Science and Technology, 2005, 20, 147-165.	0.9	0
1326	State-shared model for multiple-input multiple-output systems. Journal of Control Theory and Applications, 2005, 3, 348-356.	0.8	0
1327	Output Feedback Robust H? Control with D-Stability and Variance Constraints: Parametrization Approach. Journal of Dynamical and Control Systems, 2005, 11, 263-280.	0.4	11
1328	$\$ {cal{H}}_{infty}\$\$ and \$\${cal{L}}_{f 2}/{cal{L}}_{infty}\$\$ Model Reduction for System Input with Sector Nonlinearities. Journal of Optimization Theory and Applications, 2005, 125, 137-155.	0.8	79
1329	Issues in the Identification of Physical Parameters in Non-Homogeneous Linear Elastic Solids. , 0, , 269-290.		0
1330	Linear Control in Power Systems. , 2005, , 13-38.		0
1332	Poor man's TBR: a simple model reduction scheme. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2005, 24, 43-55.	1.9	121
1333	H>inf<2>/inf <model ,="" .<="" 0,="" lmis.="" reduction="" td="" using=""><td></td><td>1</td></model>		1
1334	A computationally efficient algorithm for order-reduction of IIR filters using control techniques. , 0,		3
1335	Balanced Truncation Model Reduction for Large-Scale Systems in Descriptor Form. , 2005, , 83-115.		107
1336	Multivariable control for reference tracking on half car test rig. , 0, , .		1
1337	From IIR to FIR Digital MIMO Models: A Constructive Hankel Norm Approximation Method. , 0, , .		5

#	Article	IF	Citations
1338	Numerically reliable methods for optimal design of fault detection filters., 0,,.		12
1339	On Model Reduction of Polynomial Dynamical Systems. , 0, , .		9
1340	Robust L/sub 1/ model reduction for time-delay systems. , 2005, , .		0
1341	Stable whitening matched filters based on Nehari's approximation. , 0, , .		O
1342	State-Space Formulas for the Nehari-Takagi Problem for Nonexponentially Stable Infinite-Dimensional Systems. SIAM Journal on Control and Optimization, 2005, 44, 531-563.	1.1	6
1343	A novel inequality property of the second-order modes of linear continuous-time state-space systems. , 2005, , .		0
1344	Variance-Constrained Control for Uncertain Stochastic Systems With Missing Measurements. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 746-753.	3.4	60
1345	An iterative SVD-Krylov based method for model reduction of large-scale dynamical systems. , 0, , .		11
1347	Fast balanced stochastic truncation via a quadratic extension of the alternating direction implicit iteration. , 0 , , .		5
1348	Nonlinear input-normal realizations based on the differential eigenstructure of Hankel operators. IEEE Transactions on Automatic Control, 2005, 50, 2-18.	3.6	80
1349	Geometrical Properties of the L2 Optimal Order Reduction Projection. , 0, , .		0
1350	A more reliable reduction algorithm for behavioral model extraction. , 0, , .		7
1351	Model-order reduction by dominant subspace projection: error bound, subspace computation, and circuit applications. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 975-993.	0.1	23
1352	Robust L/sub 1/ model reduction for uncertain stochastic systems with state delay. , 0, , .		1
1353	Achievable input performance of linear systems under feedback control. International Journal of Control, 2005, 78, 1327-1341.	1.2	8
1354	Process Dynamic Controllability Analysis Based on All-Pass Factorization. Industrial & Engineering Chemistry Research, 2005, 44, 7175-7188.	1.8	7
1355	All optimal Hankel-norm approximations and their error bounds in discrete-time. International Journal of Control, 2005, 78, 408-423.	1.2	29
1356	Model Reduction in Power Systems Using Krylov Subspace Methods. IEEE Transactions on Power Systems, 2005, 20, 888-894.	4.6	153

#	Article	IF	CITATIONS
1357	Invariant approximations of the minimal robust positively Invariant set. IEEE Transactions on Automatic Control, 2005, 50, 406-410.	3.6	578
1358	Model Reduction for Impact-Contact Dynamics Simulations of Flexible Multibody Systems., 2005,,.		0
1359	Control Law Design for Flesible Aircraft: Comparison of the H-Infinity-based and Classical Methods. , 2005, , .		3
1360	H/sub /spl infin// model reduction with application to flexible systems. IEEE Transactions on Automatic Control, 2005, 50, 402-406.	3.6	24
1363	Stabilising Control Laws for the Incompressible Navier-Stokes Equations Using Sector Stability Theory. , 2006, , .		8
1364	On designing robust controllers under randomly varying sensor delay with variance constraints. International Journal of General Systems, 2006, 35, 1-15.	1.2	8
1365	Robust controller design based on reduced order plants. International Journal of Control, 2006, 79, 1624-1634.	1.2	3
1366	Control Oriented Models&Feedback Design in Fluid Flow Systems: A Review., 2006,,.		3
1367	Model reduction of discrete-time Markov jump linear systems. , 2006, , .		8
1368	H-infinity model reduction with guaranteed suboptimality bound. , 2006, , .		13
1369	μ-Interaction Measure for Unstable Systems. , 2006, , .		3
1370	Generating High-Accuracy Simulation Models Using Problem-Tailored Orthogonal Polynomials Basis. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2705-2714.	0.1	4
1371	Numerical Linear Algebra for Model Reduction in Control and Simulation. GAMM Mitteilungen, 2006, 29, 275-296.	2.7	37
1372	On Some Norms for Descriptor Systems. IEEE Transactions on Automatic Control, 2006, 51, 842-847.	3.6	30
1373	Dynamic equivalencing of distribution networks with dispersed generation. , 2006, , .		11
1374	Model-order reduction using variational balanced truncation with spectral shaping. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 879-891.	0.1	49
1375	Macromodel Generation for BioMEMS Components Using a Stabilized Balanced Truncation Plus Trajectory Piecewise-Linear Approach. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2006, 25, 285-293.	1.9	34
1376	Two Algorithms for Fast and Accurate Passivity-Preserving Model Order Reduction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2006, 25, 2062-2075.	1.9	21

#	Article	IF	CITATIONS
1377	Low-order H/sub /spl infin// controller design for an active suspension system via LMIs. IEEE Transactions on Industrial Electronics, 2006, 53, 554-560.	5. 2	32
1378	Accuracy Enhancement in HiMAT Aircraft Controller Reduction. , 0, , .		8
1379	Model Reduction of Uncertain Systems with Multiplicative Noise Based on Balancing. SIAM Journal on Control and Optimization, 2006, 45, 1541-1560.	1.1	7
1380	Self-Scheduled LPV Control of a Wind Driven Doubly-Fed Induction Generator. , 2006, , .		9
1381	MACROMODEL GENERATION FOR BIOMEMS COMPONENTS USING A STABILIZED BALANCED TRUNCATION PLUS TRAJECTORY PIECEWISE LINEAR APPROACH. , 2006, , 169-187.		1
1382	Nonsmooth Hâ^žSynthesis. IEEE Transactions on Automatic Control, 2006, 51, 71-86.	3 . 6	574
1383	Comparison of Different Multivariable Control Design Methods Applied on Half Car Test Setup. European Journal of Control, 2006, 12, 307-324.	1.6	4
1384	Passivity preserving model reduction via a structured Lanczos method. , 2006, , .		3
1385	Approximating optimal state estimation., 0,, 181-216.		3
1386	Optimal Hankel-norm reduction of active suspension model with application in suspension multiobjective control. International Journal of Vehicle Design, 2006, 40, 175.	0.1	10
1387	Reduction of Linear Dynamic Systems using Routh Hurwitz Array and Factor Division Method. IETE Journal of Education Online, 2006, 47, 25-29.	0.7	39
1388	Optimal Forcing Patterns for Coupled Models of ENSO. Journal of Climate, 2006, 19, 4683-4699.	1.2	36
1389	Stochastic Forcing of the North Atlantic Wind-Driven Ocean Circulation. Part II: An Analysis of the Dynamical Ocean Response Using Generalized Stability Theory. Journal of Physical Oceanography, 2006, 36, 316-334.	0.7	5
1390	Frequency-domain model reduction approach to design IIR digital filters using orthonormal bases. AEU - International Journal of Electronics and Communications, 2006, 60, 413-420.	1.7	13
1391	A case study in model reduction of linear time-varying systems. Automatica, 2006, 42, 467-472.	3.0	17
1392	Parameter reduction for stable dynamical systems based on Hankel singular values and sensitivity analysis. Chemical Engineering Science, 2006, 61, 5393-5403.	1.9	31
1393	Frequency-domain parameter estimation of general multi-rate systems. Computers and Chemical Engineering, 2006, 30, 838-849.	2.0	14
1394	A robust Hâ^ž power system stabilizer design using reduced-order models. International Journal of Electrical Power and Energy Systems, 2006, 28, 21-28.	3.3	46

#	Article	IF	CITATIONS
1395	Model reduction in the presence of uncertainty in model parameters. Journal of Process Control, 2006, 16, 645-649.	1.7	12
1396	Algorithms for model reduction of large dynamical systems. Linear Algebra and Its Applications, 2006, 415, 322-343.	0.4	118
1397	Coprime factors reduction methods for linear parameter varying and uncertain systems. Systems and Control Letters, 2006, 55, 199-213.	1.3	45
1398	Model simplification for switched hybrid systems. Systems and Control Letters, 2006, 55, 1015-1021.	1.3	113
1399	On unsteady aerodynamic airfoil loads in the design of a control system for minimizing the effect of wind perturbations using the rudder on the trailing edge of the wing. Journal of Computer and Systems Sciences International, 2006, 45, 812-823.	0.2	0
1400	On the use of moment-matching to build reduced order models in flexible multibody dynamics. Multibody System Dynamics, 2006, 16, 191-211.	1.7	36
1401	Energy functions for dissipativity-based balancing of discrete-time nonlinear systems. Mathematics of Control, Signals, and Systems, 2006, 18, 345-368.	1.4	9
1402	Life extending robust control of a wind excited antenna. Computers and Structures, 2006, 84, 413-430.	2.4	2
1403	Low order approximation of the spherical nonreflecting boundary kernel for the wave equation. Linear Algebra and Its Applications, 2006, 415, 455-468.	0.4	3
1404	Model order reduction for nonlinear dynamical systems based on trajectory piecewise-linear approximations. Linear Algebra and Its Applications, 2006, 415, 426-454.	0.4	91
1405	Balanced truncation model reduction for semidiscretized Stokes equation. Linear Algebra and Its Applications, 2006, 415, 262-289.	0.4	53
1406	Second-order balanced truncation. Linear Algebra and Its Applications, 2006, 415, 373-384.	0.4	86
1407	Model reduction of large-scale systems by least squares. Linear Algebra and Its Applications, 2006, 415, 290-321.	0.4	46
1408	Optimal approximation of linear systems by artificial immune response. Science in China Series F: Information Sciences, 2006, 49, 63-79.	1.1	37
1409	[Hamiltonian (script capital H)] \hat{a} mode reduction for two-dimensional discrete state-delayed systems. IET Computer Vision, 2006, 153, 769.	1.3	25
1410	Balanced parameterization of multichannel blind deconvolutive systems: A continuous time realization. Neurocomputing, 2006, 70, 206-218.	3.5	0
1411	Enhanced IMC for Glucose Control in Type I Diabetics Using a Detailed Physiological Model. Food and Bioproducts Processing, 2006, 84, 227-236.	1.8	8
1412	Accelerating Parameterizaton of Large-Scale Dynamic Models Through the Use of Activity Analysis. , 2006, , 1147 .		2

#	Article	IF	CITATIONS
1413	Descriptor Systems: A General Mathematical Framework for Modelling, Simulation and Control (Deskriptorsysteme: Ein allgemeines mathematisches Konzept fýr Modellierung, Simulation und) Tj ETQq0 0 0 r	g 6. 74/Ove	rlausk 10 Tf 50
1414	Robust linear time-varying control for trajectory tracking: computation and an experimental application. International Journal of Control, 2006, 79, 349-361.	1.2	5
1415	Numerische Methoden zur passivitÄsserhaltenden Modellreduktion (Numerical Methods for Passivity) Tj ETQq0 0	OrgBT/O	verlock 10 Tf
1417	Projection properties of theL2optimal reduced order model. International Journal of Control, 2006, 79, 298-310.	1.2	3
1418	L2 Gain Approximation of Nonlinear Systems: a Heuristic Approach. , 2006, , .		1
1419	Hankel operator and singular values of dynamical systems with single control input delay. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2006, 29, 193-200.	0.6	0
1420	Digital Filter Order Reduction., 2006,,.		0
1421	Observer design for complex systems in the presence of uncertainties, nonlinearities and distributed delays. International Journal of General Systems, 2006, 35, 295-311.	1.2	0
1422	Inexact Solves in Krylov-based Model Reduction. , 2006, , .		7
1423	A Parametrized Controller Reduction Technique. , 2006, , .		5
1424	An Approach to Estimate Domain of Attraction for Nonlinear Control Systems. , 0, , .		2
1425	Frequency-Weighted Model Reduction with Applications to Structured Models. Proceedings of the American Control Conference, 2007, , .	0.0	10
1426	A robust semi-definite optimization based solution to the robust order reduction problem for parametric uncertain dissipative linear systems. IMA Journal of Mathematical Control and Information, 2007, 24, 13-29.	1.1	0
1427	Eine Parametrierung reduzierter stabiler Modelle und stabilisierender Regler (A Parameterization of) Tj $$ ETQq 11 0.	784314 r 0.4	gBT /Overl <mark>oc</mark>
1428	Efficient Binaural Display using MIMO State-Space Systems. , 2007, , .		2
1429	Analysis of Second-Order Modes of Linear Continuous-Time Systems under Positive-Real Transformations., 2007,,.		2
1430	A Novel Scheme for Positive Real Balanced Truncation. Proceedings of the American Control Conference, 2007, , .	0.0	7
1431	A lower bound of the necessary bit length of memory for approximation of discrete time systems. , 2007, , .		2

#	Article	IF	CITATIONS
1432	A Gramian-based approach to model reduction for uncertain systems. , 2007, , .		5
1433	A Model Reduction Technique for IIR Filters using Balanced Realization. Proceedings of the American Control Conference, 2007, , .	0.0	1
1434	A new look at model reduction by moment matching for linear systems. , 2007, , .		32
1435	Stability analysis and model order reduction of coupled systems. Mathematical and Computer Modelling of Dynamical Systems, 2007, 13, 413-436.	1.4	29
1436	$L< inf>2-\ L< inf>\hat{A}_{\dot{z}}\ Norm\ of\ Polytopic\ Systems\ with\ Time-varying\ Delay.\ ,\ 2007,\ ,\ .$		0
1437	MIMO-Descriptor Systems Model Reduction. International Journal of Modelling and Simulation, 2007, 27, 226-232.	2.3	1
1438	A Review of Proper Modeling Techniques. , 2007, , 1533.		3
1439	Approximation and balanced reduction of non-linear systems by bilinear models. International Journal of Modelling, Identification and Control, 2007, 2, 9.	0.2	1
1440	Evenly Distributed Rc Interconnect Elo Model Simplification and its Simulation. International Journal of Modelling and Simulation, 2007, 27, 324-332.	2.3	5
1441	$\hat{A}\mu$ -Interaction measure for unstable systems. International Journal of Automation and Control, 2007, 1, 295.	0.3	9
1442	MODEL REDUCTION BY MOMENT MATCHING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 577-584.	0.4	6
1443	Fast Positive-Real Balanced Truncation Via Quadratic Alternating Direction Implicit Iteration. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2007, 26, 1725-1731.	1.9	17
1444	Dynamic equivalencing of distribution networks with dispersed generation using Hankel norm approximation. IET Generation, Transmission and Distribution, 2007, 1, 818.	1.4	50
1445	Projected Generalized Discrete-Time Periodic Lyapunov Equations and Balanced Realization of Periodic Descriptor Systems. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 982-1006.	0.7	40
1446	Global optimization for the -norm model reduction problem. International Journal of Systems Science, 2007, 38, 125-138.	3.7	15
1448	Dissipative noncommutative multidimensional linear systems and robust control theory. , 2007, , .		1
1449	Robust 2-DOF H _∞ controller for a force feedback system., 2007,,.		0
1450	Mixed domain analysis of MIMO dynamic interactions. , 2007, , .		4

#	Article	IF	CITATIONS
1451	Unified Hankel Norm Approximations Using The Divided Difference Operator., 2007,,.		0
1452	On H <inf>¿</inf> Model Reduction of Continuous Time-Delay Switched Systems. , 2007, , .		2
1453	Model Reduction of Nonstationary LPV Systems. IEEE Transactions on Automatic Control, 2007, 52, 181-196.	3.6	34
1454	Model order reduction for impact-contact dynamics simulations of flexible manipulators. Robotica, 2007, 25, 397-407.	1.3	37
1455	Realization-Preserving Structure and Order Reduction of Nonlinear Energetic System Models Using Energy Trajectory Correlations. , 2007, , .		0
1456	The global modal parameterization for non-linear model-order reduction in flexible multibody dynamics. International Journal for Numerical Methods in Engineering, 2007, 69, 948-977.	1.5	81
1457	Multivariable feedback design to improve tracking performance on tractor vibration test rig. Mechanical Systems and Signal Processing, 2007, 21, 1051-1075.	4.4	21
1458	Filtering for a class of nonlinear discrete-time stochastic systems with state delays. Journal of Computational and Applied Mathematics, 2007, 201, 153-163.	1.1	70
1459	Dimensionally reduced Krylov subspace model reduction for large scale systems. Applied Mathematics and Computation, 2007, 191, 21-30.	1.4	8
1460	Constrained approximation of multiple input–output delay systems using genetic algorithm. ISA Transactions, 2007, 46, 211-221.	3.1	4
1461	Model approximation using magnitude and phase criteria: implications for model reduction and system identification. International Journal of Robust and Nonlinear Control, 2007, 17, 435-461.	2.1	19
1462	A two-step approach for model reduction in flexible multibody dynamics. Multibody System Dynamics, 2007, 17, 157-176.	1.7	56
1463	On MIMO model reduction by the weighted equation–error approach. Numerical Algorithms, 2007, 44, 83-98.	1.1	3
1464	On the embedding of state space realizations. Mathematics of Control, Signals, and Systems, 2007, 19, 123-149.	1.4	1
1465	Balanced realizations of regime-switching linear systems. Mathematics of Control, Signals, and Systems, 2007, 19, 207-234.	1.4	1
1466	A unified balanced approach to multichannel blind deconvolution. Signal, Image and Video Processing, 2007, 1, 369-384.	1.7	1
1467	Controllability, observability and identifiability in single-phase porous media flow. Computational Geosciences, 2008, 12, 605-622.	1.2	34
1468	Hankel-type model reduction for linear repetitive processes: differential and discrete cases. Multidimensional Systems and Signal Processing, 2008, 19, 41-78.	1.7	13

#	Article	IF	CITATIONS
1469	Linear and fuzzy control solutions for tape drives. Electrical Engineering, 2008, 90, 361-377.	1.2	3
1470	Hankel norm of polytopic systems with time-varying delay. Journal of Control Theory and Applications, 2008, 6, 442-448.	0.8	3
1471	Nonnormality estimation in projectionâ€type system realization methods. Numerical Linear Algebra With Applications, 2008, 15, 969-983.	0.9	1
1472	Approximate implicit subspace iteration with alternating directions for LTI system model reduction. Numerical Linear Algebra With Applications, 2008, 15, 873-886.	0.9	8
1473	Numerical solution of largeâ€scale Lyapunov equations, Riccati equations, and linearâ€quadratic optimal control problems. Numerical Linear Algebra With Applications, 2008, 15, 755-777.	0.9	251
1474	An iterative SVD-Krylov based method for model reduction of large-scale dynamical systems. Linear Algebra and Its Applications, 2008, 428, 1964-1986.	0.4	79
1475	Dynamical building simulation: A low order model for thermal bridges losses. Energy and Buildings, 2008, 40, 2236-2243.	3.1	48
1476	A new semi-active suspension control strategy through LPV technique. Control Engineering Practice, 2008, 16, 1519-1534.	3.2	206
1477	Krylov projection framework for Fourier model reduction. Automatica, 2008, 44, 209-215.	3.0	17
1478	State-Space Synthesis of Virtual Auditory Space. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 881-890.	3.8	8
1479	On <i>â"⟨ï¸</i> _{â^ž} model reduction for discreteâ€time linear timeâ€invariant systems using linear matrix inequalities. Asian Journal of Control, 2008, 10, 291-300.	1.9	6
1480	A State-Space Based New Approach To The Directional Interpolation Problem. Asian Journal of Control, 2008, 4, 284-300.	1.9	0
1481	Computationally Efficient Algorithm For Frequencyâ€Weighted Optimal <i>H</i> _{â^ž} Model Reduction. Asian Journal of Control, 2003, 5, 341-349.	1.9	12
1482	ROBUST TWOâ€DEGREEâ€OFâ€FREEDOM CONTROL OF AN ATOMIC FORCE MICROSCOPE. Asian Journal of Control, 2004, 6, 156-163.	1.9	55
1483	GENERALIZED QUADRATIC STABILIZATION FOR DISCRETE-TIME SINGULAR SYSTEMS WITH TIME-DELAY AND NONLINEAR PERTURBATION. Asian Journal of Control, 2008, 7, 211-222.	1.9	21
1484	A population-based artificial immune system for numerical optimization. Neurocomputing, 2008, 72, 149-161.	3.5	47
1485	A Review of Proper Modeling Techniques. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2008, 130, .	0.9	50
1486	Model-based Fault Diagnosis Techniques. , 2008, , .		10

#	Article	IF	CITATIONS
1487	Gramian-Based Reduction Method Applied to Large Sparse Power System Descriptor Models. IEEE Transactions on Power Systems, 2008, 23, 1258-1270.	4.6	122
1488	Identification of Continuous-time Models from Sampled Data. Advances in Industrial Control, 2008, , .	0.4	264
1489	Input-Output Analysis and Control Applied to Spatially Developing Shear Flows. , 2008, , .		0
1490	Model Order Reduction: Theory, Research Aspects and Applications. Mathematics in Industry, 2008, , .	0.1	365
1491	Emulation and Inversion of Polarization Mode Dispersion: A Lumped System and Pade Approximation Perspective. Journal of Lightwave Technology, 2008, 26, 3071-3089.	2.7	2
1492	Mixed \$H_2/H_infty\$ Control via Nonsmooth Optimization. SIAM Journal on Control and Optimization, 2008, 47, 1516-1546.	1.1	90
1493	Balanced Truncation Model Reduction for a Class of Descriptor Systems with Application to the Oseen Equations. SIAM Journal of Scientific Computing, 2008, 30, 1038-1063.	1.3	104
1494	Gramian-Based Model Reduction for Data-Sparse Systems. SIAM Journal of Scientific Computing, 2008, 31, 776-798.	1.3	17
1495	A Generic Model-Based Advanced Control of Electric Power-Assisted Steering Systems. IEEE Transactions on Control Systems Technology, 2008, 16, 1289-1300.	3.2	80
1496	Modeling and Parameters Identification of Dynamic Properties of Paper Honeycomb Panel. , 2008, , .		5
1497	Partial numerical optimization of low order H<inf>& $\#x221E$;</inf> controller on the frequency domain., 2008,,.		0
1498	PEM fuel cell system identification and model order reduction for H <inf>infin;</inf> loop shaping controller design., 2008,,.		5
1499	Model reduction by moment matching for nonlinear systems. , 2008, , .		25
1500	Generating Reduced Order Models for High Speed VLSI Interconnects using Balancing-Free Square Root Method. , 2008, , .		1
1501	Balanced Truncation for a Class of Stochastic Jump Linear Systems and Model Reduction for Hidden Markov Models. IEEE Transactions on Automatic Control, 2008, 53, 2543-2557.	3.6	33
1502	Balanced truncation model reduction of second-order systems. Mathematical and Computer Modelling of Dynamical Systems, 2008, 14, 391-406.	1.4	107
1503	An example of balanced truncation method and its surprising time domain performance. , 2008, , .		3
1504	A Balanced Approach to Multichannel Blind Deconvolution. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 599-613.	3.5	4

#	Article	IF	CITATIONS
1505	Hankel-Norm Approximation of IIR by FIR Models: A Constructive Method. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 586-598.	3.5	7
1506	Stabilisation using a stable controller and robust stability and performance. International Journal of Control, 2008, 81, 1183-1194.	1.2	4
1507	Parameterization Theory of Balanced Truncation Method for Any Evenly Distributed RC Interconnect Circuits. , $2008, \dots$		2
1508	A Survey/Review of Frequency-Weighted Balanced Model Reduction Techniques. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2008, 130, .	0.9	65
1509	A step-wise procedure for reduced order approximation in the ν-gap metric. , 2008, , .		11
1510	Static Superelement Technique based Macromodeling for High Speed Nano Designs. , 2008, , .		1
1511	Comparison of some Gramian based interaction measures. , 2008, , .		25
1512	A generalized controller reduction technique using LFT framework. , 2008, , .		1
1513	Optimal Reduced-order Approximation of Fractional Dynamical Systems. AIP Conference Proceedings, 2008, , .	0.3	6
1514	Causal and stable reduced-order model for linear high-frequency systems. Electronics Letters, 2008, 44, 843.	0.5	0
1515	Modelling, simulation and control of flexible multibody systems. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2008, , 21-74.	0.3	4
1516	Coprime factor model reduction for continuous-time uncertain systems. , 2008, , .		3
1517	Balanced truncation for a general class of discrete-time Markov Jump linear systems. , 2008, , .		0
1518	Model reduction of linear systems using extended balanced truncation. , 2008, , .		13
1519	LMI approach to H <inf>2</inf> reduction model of switched systems., 2008,,.		2
1520	Stability of model predictive control based on reduced-order models. , 2008, , .		12
1521	Frequency-domain robust performance condition for plant and controller uncertainty in SISO LTI systems. , 2008, , .		1
1522	A factorization approach for the â,,"â^ž –gain of discrete–time linear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1299-1304.	0.4	4

#	Article	IF	CITATIONS
1523	Model Reduction of Interconnected Linear Systems Using Structured Gramians. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8725-8730.	0.4	18
1524	Fast and Accurate Modeling of Distributed RLC Interconnect and Transmission Line in Time and Frequency Domains. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3174-3179.	0.4	0
1525	Control-oriented Sensor/Actuator Location Measures for Active Noise Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8719-8724.	0.4	0
1526	Efficient and Robust Approaches to the Stability Analysis of Large Multibody Systems. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	0.7	14
1527	Distributed modeling and control of a segmented mirror surface. Proceedings of SPIE, 2008, , .	0.8	2
1528	Model reduction in large scale MIMO dynamical systems via the block Lanczos method. Computational and Applied Mathematics, 2008, 27, .	1.3	8
1529	A new double sided frequency weighted problem formulation. , 2009, , .		1
1530	Torque Converter Clutch Control using Hâ^ž Loop Shaping. , 2009, , .		1
1531	Model reduction by moment matching for switched power converters. , 2009, , .		7
1532	Model reduction, optimal prediction, and the Mori-Zwanzig representation of Markov chains. , 2009, , .		11
1533	Reduced-order predictive outage compensators for networked systems. , 2009, , .		4
1534	Construction of coarse-grained order parameters in nonequilibrium systems. Physical Review E, 2009, 79, 061107.	0.8	1
1535	H <inf>∞</inf> model reduction of linear continuous-time systems over finite frequency interval-LMI based approach. , 2009, , .		1
1536	An error bound for model reduction of Lur'e-type systems. , 2009, , .		7
1537	Closed-loop balancing for a class of non-linear singularly perturbed systems. International Journal of Systems Science, 2009, 40, 223-235.	3.7	4
1538	Robust SISO controller order reduction. , 2009, , .		1
1539	ℓ <inf>∞</inf> -gain model reduction for discrete-time systems via LMIs. , 2009, , .		1
1540	Robust controller order reduction. , 2009, , .		7

#	Article	IF	CITATIONS
1541	Balanced state-space representations: a polynomial algebraic approach. , 2009, , .		0
1542	State-space models of head-related transfer functions for virtual auditory scene synthesis. Journal of the Acoustical Society of America, 2009, 125, 3894-3902.	0.5	3
1543	SISO-Closed-Loop Identifikation: Eine Toolbox f $\tilde{A}^{1}/4$ r den Einsatz in der industriellen PraxisSISO-Closed-Loop Identification: A Toolbox Ready-to-Use in Industrial Practice. Automatisierungstechnik, 2009, 57, 177-186.	0.4	0
1544	Robust model reduction of uncertain systems maintaining uncertainty structure. International Journal of Control, 2009, 82, 2158-2168.	1.2	15
1545	Network structure preserving model reduction with weak a priori structural information. , 2009, , .		9
1546	Discrete Time-delay Optimal Control of Structures under Seismic Excitations using the Balanced Reduction Scheme. JVC/Journal of Vibration and Control, 2009, 15, 465-478.	1.5	10
1547	Realization-Preserving Structure and Order Reduction of Nonlinear Energetic System Models Using Energy Trajectory Correlations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	0.9	7
1548	Estimation of the Hankel Singular Values of Fractional-Order Systems. , 2009, , .		0
1549	Hankel Norm of Uncertain Neutral Systems with Mixed Time Delays., 2009,,.		0
1550	Robust control of resistive wall modes using pseudospectra. New Journal of Physics, 2009, 11, 053015.	1.2	7
1551	Computer-aided Simplification of High-order Linear Models. Indian Chemical Engineer, 2009, 51, 129-155.	0.9	0
1552	Parameterization of all stable controllers stabilizing full state information systems and mixed sensitivity. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 957-971.	0.7	7
1553	<i>H</i> _{â^ž} structured model reduction algorithms for linear discrete systems via LMI-based optimisation. International Journal of Systems Science, 2009, 40, 685-693.	3.7	3
1554	Problem 8.1 Hâ^ž-norm approximation. , 2009, , 267-270.		1
1555	Problem 8.2 Non-iterative computation of optimal value in Hâ^ž control. , 2009, , 271-275.		0
1556	Modellreduktion f $\tilde{A}\frac{1}{4}$ r parametrisierte Systeme durch balanciertes Abschneiden und InterpolationModel Reduction for Parametric Systems Using Balanced Truncation and Interpolation. Automatisierungstechnik, 2009, 57, 411-419.	0.4	54
1557	Computation of stability diagrams for milling processes with parallel kinematic machine tools. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 117-129.	0.7	5
1558	Dimensionality reduction for uncertain dynamic systems. International Journal for Numerical Methods in Engineering, 2009, 80, 767-788.	1.5	0

#	Article	IF	CITATIONS
1559	Model reduction of interconnected linear systems. Optimal Control Applications and Methods, 2009, 30, 225-245.	1.3	112
1560	Convergent Interpolation to Cauchy Integrals overÂAnalytic Arcs. Foundations of Computational Mathematics, 2009, 9, 675-715.	1.5	13
1561	Dissipativity preserving model reduction by retention of trajectories of minimal dissipation. Mathematics of Control, Signals, and Systems, 2009, 21, 171-201.	1.4	14
1562	Simplification of the mathematical models of objects in simulator complexes. Journal of Engineering Physics and Thermophysics, 2009, 82, 588-597.	0.2	O
1563	Linear systems with multiple singular values. Automation and Remote Control, 2009, 70, 43-63.	0.4	2
1564	Bounded real and positive real balanced truncation using -normalised coprime factors. Systems and Control Letters, 2009, 58, 871-879.	1.3	5
1565	Structural simplification of modular bond-graph models based on junction inactivity. Simulation Modelling Practice and Theory, 2009, 17, 175-196.	2.2	20
1566	Projection-based reduction of fluid–structure interaction systems using monolithic space-time modes. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 3795-3805.	3.4	11
1567	Weighted <mml:math altimg="si2.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>â,,</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž<td>ml:mi><td>าฑไ:mrow> <</td></td></mml:mi></mml:mrow></mml:msub></mml:math>	ml:mi> <td>าฑไ:mrow> <</td>	าฑไ:mrow> <
1568	On the stability of a reduced-order filter based on dominant singular value decomposition of the system dynamics. Automatica, 2009, 45, 2400-2405.	3.0	5
1569	On the practical implementation of feedforward control signals given in polynomial form. , 2009, , .		1
1570	Matrix-Free Methods for the Stability and Control of Boundary Layers. AIAA Journal, 2009, 47, 1057-1068.	1.5	84
1571	LTV Model Reduction With Upper Error Bounds. IEEE Transactions on Automatic Control, 2009, 54, 1450-1462.	3.6	8
1572	New results on partial fraction expansion based frequency weighted balanced truncation., 2009,,.		5
1573	Meromorphic approximants to complex Cauchy transforms with polar singularities. Sbornik Mathematics, 2009, 200, 1261-1297.	0.2	2
1574	Noniterative \${cal H}_{infty}\$-Based Model Order Reduction of LTI Systems Using LMIs. IEEE Transactions on Control Systems Technology, 2009, 17, 494-501.	3.2	6
1575	Mixed H <inf>2</inf> /H <inf>∞</inf> control via nonsmooth optimization., 2009,,.		17
1576	Observerâ^'Controller Design for a Class of Stable/Unstable Inverse Response Processes. Industrial & Lamp; Engineering Chemistry Research, 2009, 48, 10986-10993.	1.8	4

#	Article	IF	CITATIONS
1577	Closed form \hat{a} , $^{\prime}$ $^{\prime}$ 2/ \hat{a} , $^{\prime}$ 2-optimising of zeros for model reduction of linear continuous time systems. International Journal of Control, 2009, 82, 555-570.	1.2	6
1578	Stable Parallelizable Model Order Reduction for Circuits With Frequency-Dependent Elements. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1214-1220.	3.5	6
1579	Hankel norm of uncertain nuetral systems with mixed time delays. , 2009, , .		0
1580	On Hankel Singular Values and Reflected Zeros of Linear Dynamical Systems. IEEE Transactions on Automatic Control, 2009, 54, 641-646.	3.6	1
1581	Distance Measures for Uncertain Linear Systems: A General Theory. IEEE Transactions on Automatic Control, 2009, 54, 1532-1547.	3.6	28
1582	H <inf>2</inf> optimal model reduction using Genetic Algorithms and Particle Swarm Optimization. , 2009, , .		1
1583	Mechanical and Control-Oriented Design of a Monolithic Piezoelectric Microgripper Using a New Topological Optimization Method. IEEE/ASME Transactions on Mechatronics, 2009, 14, 32-45.	3.7	76
1584	Robust â,, 2 model matching from frequency domain specifications. IET Control Theory and Applications, 2009, 3, 1119-1131.	1.2	9
1585	Smoothness priors support vector method for robust system identification. IET Control Theory and Applications, 2009, 3, 509-518.	1.2	2
1586	Positivity Preserving Balanced Truncation for Descriptor Systems. SIAM Journal on Control and Optimization, 2009, 48, 2600-2619.	1.1	19
1587	Una medida de interacci \tilde{A}^3 n multivariable en el dominio del tiempo y de la frecuencia. RIAI - Revista lberoamericana De Automatica E Informatica Industrial, 2009, 6, 17-25.	0.6	2
1588	Mathematical Problems in System-on-Chip Design and Manufacture. Series in Contemporary Applied Mathematics, 2009, , 166-214.	0.8	0
1589	Reduction of Finite Element Mesh and Model Order for Fast Dynamic Analysis of Global/Local Problem. Journal of Solid Mechanics and Materials Engineering, 2009, 3, 572-583.	0.5	1
1590	Relaxed commutant lifting: Existence of a unique solution. Proceedings of the American Mathematical Society, 2009, 137, 2697-2697.	0.4	2
1591	Digital Filtering. The Electrical Engineering Handbook, 2009, , 1-89.	0.2	2
1592	Balanced realization of lossless systems: Schur parameters, canonical forms and applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 273-283.	0.4	4
1593	Feedforward for stabilization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 602-606.	0.4	3
1594	Virtual Closed Loop Identification: A New Method for Low-Order Hâ^ž Controller Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 314-319.	0.4	1

#	Article	IF	CITATIONS
1595	A note on model reduction by moment matching for nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 1244-1248.	0.4	6
1596	Improved Experimental Ritz Vector Extraction With Application to Damage Detection. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.0	5
1597	Domain decomposition and model reduction for the numerical solution of PDE constrained optimization problems with localized optimization variables. Computing and Visualization in Science, 2010, 13, 249-264.	1.2	34
1598	Morphologically accurate reduced order modeling of spiking neurons. Journal of Computational Neuroscience, 2010, 28, 477-494.	0.6	55
1599	Hâ^ž model reduction of linear continuous-time systems over finite-frequency interval. IET Control Theory and Applications, 2010, 4, 499-508.	1.2	49
1600	Hardy spaces of the conjugate Beltrami equation. Journal of Functional Analysis, 2010, 259, 384-427.	0.7	28
1601	Smooth weight optimization in loop-shaping design. Systems and Control Letters, 2010, 59, 663-670.	1.3	12
1602	Statistical analysis of large on-chip power grid networks by variational reduction scheme. The Integration VLSI Journal, 2010, 43, 167-175.	1.3	3
1603	Parameterization theory of balanced truncation method for any evenly distributed RC interconnect circuits and transmission lines. Automatica, 2010, 46, 625-628.	3.0	1
1604	Hankel-norm estimation for fractional-order systems using the Rayleigh–Ritz method. Computers and Mathematics With Applications, 2010, 59, 1773-1781.	1.4	2
1605	Compound Control for Hydraulic Flight Motion Simulator. Chinese Journal of Aeronautics, 2010, 23, 240-245.	2.8	18
1606	Recent advance in non-Krylov subspace model order reduction of interconnect circuits. Tsinghua Science and Technology, 2010, 15, 151-168.	4.1	4
1607	Lowâ€order <i>H</i> _{â^ž} controller design on the frequency domain by partial optimization. International Journal of Robust and Nonlinear Control, 2010, 20, 323-333.	2.1	20
1608	Anisotropic ε-optimal model reduction for linear discrete time-invariant system. Automation and Remote Control, 2010, 71, 2573-2594.	0.4	1
1609	Systems engineering medicine: engineering the inflammation response to infectious and traumatic challenges. Journal of the Royal Society Interface, 2010, 7, 989-1013.	1.5	23
1610	Efficient Modeling and Control of Large-Scale Systems. , 2010, , .		31
1611	Robust Control, Multidimensional Systems and Multivariable Nevanlinna-Pick Interpolation. , 2010, , 13-88.		5
1612	Hankel-type model reduction based on frequency response matching. , 2010, , .		3

#	Article	IF	Citations
1613	Robust control based on linear matrix inequality of fuel cell system with & amp; $\#$ x03BC; analysis., 2010,,.		1
1614	An efficient transistor-level piecewise-linear macromodeling approach for model order reduction of nonlinear circuits. , 2010, , .		0
1615	The best optimal Hankel-norm approximation of railway active wheelset models. , 2010, , .		0
1616	H <inf>∞</inf> model reduction for positive systems. , 2010, , .		2
1617	Rational Krylov methods for optimal & $\#x2112;$ <inf>2</inf> model reduction., 2010, , .		6
1618	The Method Descending the Order of the Multidisciplinary Robust Control Model for Electric Power Steering Systems. , 2010, , .		1
1619	A simple method for L <inf>2</inf> approximation of unstable and nonminimum-phase systems. , 2010, , .		0
1620	A framework for reduced order modeling with mixed moment matching and peak error objectives. , 2010, , .		1
1621	ℓ <inf>∞</inf> -gain controller order reduction for discrete-time systems. , 2010, , .		1
1622	Empirical Hankel norm model reduction with application to a prototype nonlinear convective flow. , $2010, , .$		2
1623	Model reduction by moment matching, steady-state response and projections. , 2010, , .		26
1624	Multimodeling Control via System Balancing. Mathematical Problems in Engineering, 2010, 2010, 1-20.	0.6	1
1625	Suppression of vibration with optimal actuators and sensors placement. Archives of Control Sciences, 2010, 20, .	1.7	2
1626	Model Reduction by Balanced Truncation of Linear Systems with a Quadratic Output. AIP Conference Proceedings, 2010, , .	0.3	5
1627	A Gramian-Based Approach to Model Reduction for Uncertain Systems. IEEE Transactions on Automatic Control, 2010, 55, 508-514.	3.6	9
1628	Model Reduction by Moment Matching for Linear and Nonlinear Systems. IEEE Transactions on Automatic Control, 2010, 55, 2321-2336.	3.6	254
1629	An Extension to Balanced Truncation With Application to Structured Model Reduction. IEEE Transactions on Automatic Control, 2010, 55, 1038-1043.	3.6	29
1630	A Wavelet-Collocation-Based Trajectory Piecewise-Linear Algorithm for Time-Domain Model-Order Reduction of Nonlinear Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2981-2990.	3.5	11

#	Article	IF	CITATIONS
1631	Structured model reduction for dynamical networked systems. , 2010, , .		10
1632	Internal positivity preserved model reduction. International Journal of Control, 2010, 83, 575-584.	1.2	36
1633	A Framework for Reduced Order Modeling with Mixed Moment Matching and Peak Error Objectives. SIAM Journal of Scientific Computing, 2010, 32, 745-773.	1.3	4
1634	Balanced Realization and Model Order Reduction for Nonlinear Systems Based on Singular Value Analysis. SIAM Journal on Control and Optimization, 2010, 48, 4591-4623.	1.1	61
1635	Balanced Truncation of Linear Second-Order Systems: A Hamiltonian Approach. Multiscale Modeling and Simulation, 2010, 8, 1348-1367.	0.6	30
1636	Coprime factor model reduction for discrete-time uncertain systems. , 2010, , .		2
1638	A 2-DoF multi-objective H., 2010,,.		0
1639	Performance modeling of high speed VLSI interconnects. , 2010, , .		0
1640	Efficient model reduction of interconnects via double gramians approximation. , 2010, , .		3
1641	An interpolation-based approach to ℋ <inf>∞</inf> model reduction of dynamical systems. , 2010, , .		3
1642	Incorporating smoothness into weight optimization for $\#x210B;\$ with $\#x221E;\$ with $\#x221E$		1
1643	Distance measures for linear systems with multiplicative and inverse multiplicative uncertainty characterisation. , $2010, $		2
1644	Hankel-norm approximation of FIR filters: a descriptor-systems based approach. International Journal of Control, 2010, 83, 1858-1867.	1.2	4
1645	Model reduction of flat-plate solar collector using time-space discretization. , 2010, , .		1
1646	Robust H<inf>& $\#x221E$;</inf> model reduction for a class of nonlinear time-varying systems with time delays. , 2010 , , .		1
1647	Adaptive optimal robust control in gap metric., 2011,,.		2
1648	Robust controller order reduction. International Journal of Control, 2011, 84, 985-997.	1.2	5
1649	A Closed Form Delay Estimation Technique for High Speed On-Chip RLC Interconnect Using Balanced Truncation Method., 2011,,.		2

#	Article	IF	CITATIONS
1650	Nu-gap model reduction in the frequency domain. , 2011, , .		3
1651	Domain decomposition and balanced truncation model reduction for shape optimization of the Stokes system. Optimization Methods and Software, 2011, 26, 643-669.	1.6	30
1652	A balanced truncation-based strategy for optimal control of evolution problems. Optimization Methods and Software, 2011, 26, 671-692.	1.6	3
1653	Reduced order, high-fidelity modeling of energy storage units in vehicular power systems. , 2011, , .		4
1654	Model reduction of linear interval systems using Kharitonov's polynomials., 2011,,.		3
1655	Application of Balanced Truncation to Nonlinear Systems. Industrial & Engineering Chemistry Research, 2011, 50, 10093-10101.	1.8	7
1656	Synthesis of decoupling controller for non-minimum phase plants of different pole numbers on RHP within uncertainties. International Journal of Systems Science, 2011, 42, 939-950.	3.7	3
1657	An improved algorithm for frequency weighted balanced truncation. , 2011, , .		1
1658	A new model reduction strategy for nonlinear distributed parameter systems. , 2011, , .		1
1659	Model reduction of linear systems over finite-frequency intervals via frequency-dependent balanced truncation: Singleton case. , $2011, \ldots$		1
1660	Efficient balancing-based MOR for large-scale second-order systems. Mathematical and Computer Modelling of Dynamical Systems, 2011, 17, 123-143.	1.4	45
1661	Unmanned Rotorcraft Systems. Advances in Industrial Control, 2011, , .	0.4	213
1662	Balanced model reduction of partially observed Langevin equations: an averaging principle. Mathematical and Computer Modelling of Dynamical Systems, 2011, 17, 463-490.	1.4	13
1663	Lyapunov Balancing for Passivity-Preserving Model Reduction of RC Circuits. SIAM Journal on Applied Dynamical Systems, 2011, 10, 1-34.	0.7	41
1664	Weight optimization for maximizing robust performance in â, 4â ž loop-shaping design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10135-10140.	0.4	2
1665	Integrated Computational Algorithm for Solving Hâ^ž-Optimal FDI Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10187-10192.	0.4	2
1666	Proper Orthogonal Decomposition for Model Reduction of Linear Differential-Algebraic Equation Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4582-4587.	0.4	3
1667	Model Reduction of Spatially Distributed Systems Using Coprime Factors and Semidefinite Programming. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6663-6668.	0.4	0

#	Article	IF	CITATIONS
1668	On Some Aspects of the J-Spectral Factorization. Analele Stiintifice Ale Universitatii Al I Cuza Din lasi - Matematica, $2011, 57, \ldots$	0.2	0
1669	LQG Control with Extended Kalman Filter for Power Systems with Unknown Time-Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3708-3713.	0.4	5
1670	Dimension reduction by balanced truncation: Application to light-induced control of open quantum systems. Journal of Chemical Physics, 2011, 135, 014112.	1.2	7
1671	Structured Model Order Reduction of Boiler-Header Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3341-3347.	0.4	1
1672	Extracting second-order structures from single-input state-space models: Application to model order reduction. International Journal of Applied Mathematics and Computer Science, 2011, 21, 509-519.	1.5	2
1673	Reduced order modeling of passive and quasi-active dendrites for nervous system simulation. Journal of Computational Neuroscience, 2011, 31, 247-271.	0.6	7
1674	Hilbert-Schmidt-Hankel norm model reduction for matrix second-order linear systems. Journal of Control Theory and Applications, 2011, 9, 571-578.	0.8	1
1675	Delayâ€dependent model reduction for continuousâ€time switched stateâ€delayed systems. International Journal of Adaptive Control and Signal Processing, 2011, 25, 843-854.	2.3	12
1676	Off-line model reduction for on-line linear MPC of nonlinear large-scale distributed systems. Computers and Chemical Engineering, 2011, 35, 750-757.	2.0	26
1677	Balanced truncation model reduction for systems with inhomogeneous initial conditions. Automatica, 2011, 47, 559-564.	3.0	51
1678	Model decomposition and reduction tools for large-scale networks in systems biology. Automatica, 2011, 47, 1165-1174.	3.0	77
1679	Positivity-preserving <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž<td>ıl:m1> <td>nl:mrow></td></td></mml:mi></mml:mrow></mml:mrow></mml:math>	ıl:m1> <td>nl:mrow></td>	nl:mrow>
1680	Autonomous terrain-following for unmanned air vehicles. Mechatronics, 2011, 21, 844-860.	2.0	23
1681	Model order reduction with preservation of passivity, non-expansivity and Markov moments. Systems and Control Letters, 2011, 60, 53-61.	1.3	17
1682	New relations between norms of system transfer functions. Systems and Control Letters, 2011, 60, 151-155.	1.3	2
1683	A stabilized discrete empirical interpolation method for model reduction of electrical, thermal, and microelectromechanical systems. , 2011 , , .		18
1684	Linear-quadratic Gaussian balancing for model reduction of differential-algebraic systems. International Journal of Control, 2011, 84, 1627-1643.	1.2	18
1685	An LMI approach to H <inf>∞</inf> model reduction of linear discrete-time systems over finite frequency interval., 2011,,.		3

#	Article	IF	CITATIONS
1686	Model reduction of nonlinear systems with bounded incremental ™ <inf>2</inf> gain., 2011,,.		6
1687	Reduced order models for flat-plate solar collectors. , 2011, , .		0
1688	Designing Controller by State Space Techniques Using Reduced Order Model Algorithm. , 2011, , .		2
1689	An improved algorithm for partial fraction expansion based frequency weighted balanced truncation. , 2011, , .		0
1690	An iterative SVD-tangential interpolation method for medium-scale MIMO systems approximation with application on flexible aircraft. , $2011, , .$		13
1691	Model Reduction of a Two-Link Rigid-Flexible Manipulator Based on Spectral Approximation Method. Advanced Materials Research, 0, 383-390, 2654-2660.	0.3	6
1692	Control System Synthesis: A Factorization Approach, Part II. Synthesis Lectures on Controls and Mechatronics, 2011, 2, 1-227.	0.1	11
1693	Second Order Model Reduction Based on Diagonal Blocks of Gramians. Advanced Materials Research, 0, 317-319, 2359-2366.	0.3	O
1694	Feedback control of three-dimensional optimal disturbances using reduced-order models. Journal of Fluid Mechanics, 2011, 677, 63-102.	1.4	56
1695	Control System Synthesis: A Factorization Approach, Part I. Synthesis Lectures on Controls and Mechatronics, 2011, 2, 1-184.	0.1	16
1696	Coping with Complexity: Model Reduction and Data Analysis. Lecture Notes in Computational Science and Engineering, $2011,\ldots$	0.1	11
1697	Reduction model of a class of discrete switched linear systems: An LMI approach. , 2011, , .		0
1698	A structured model reduction method for large scale networks. , 2011, , .		4
1699	Model Order Reduction of High Order LTI System Using Balanced Truncation Approximation. , 2011, , .		7
1700	Reduced-order local representation of uncertain large-scale interconnected systems. , 2012, , .		0
1701	A comparative study of two model order reduction approaches for application in power systems. , 2012, , .		17
1702	A Frequency Domain Condition for the Physical Realizability of Linear Quantum Systems. IEEE Transactions on Automatic Control, 2012, 57, 2033-2044.	3.6	60
1703	Convenient representations of structured systems for model order reduction. , 2012, , .		1

#	Article	IF	CITATIONS
1704	Model reduction for distributed parameter systems: A functional analytic view. , 2012, , .		2
1705	Introduction to MORE: A MOdel REduction toolbox. , 2012, , .		18
1706	Structured model reduction of power systems. , 2012, , .		7
1707	Regional dynamical modeling and control of flow problems under unmeasurable and non-constant viscosity. Transactions of the Institute of Measurement and Control, 2012, 34, 966-973.	1.1	O
1708	Second-Order Model Reduction Based on Gramians. Journal of Control Science and Engineering, 2012, 2012, 1-9.	0.8	1
1709	Fixed-Structure â,,<2 Controller Design: An LMI solution. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 331-336.	0.4	2
1710	Robust Passivity Preserving Parametric Model Order Reduction using Matrix Interpolation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 717-722.	0.4	2
1711	\hat{a} , 2 Model Reduction by Means of Gröbner Bases and its Extension to the Parametric Case. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 710-715.	0.4	0
1712	Model reduction of discrete interval system using clustering of poles. International Journal of Modelling, Identification and Control, 2012, 17, 116.	0.2	17
1713	Reducing order of large-scale systems by extended balanced singular perturbation approximation. International Journal of Automation and Control, 2012, 6, 21.	0.3	16
1714	Active force cancellation of a near resonance vibrating system using robust H _{∞ control. International Journal of Vehicle Noise and Vibration, 2012, 8, 36.}	0.0	2
1715	Low Rank Approximation. Communications and Control Engineering, 2012, , .	1.0	140
1716	Applications in System, Control, and Signal Processing. Communications and Control Engineering, 2012, , 107-131.	1.0	0
1717	Controllability and observability in non-linear flow reservoir model - RETRACTED. IET Control Theory and Applications, 2012, 6, 1456-1467.	1.2	1
1718	Controller reduction using optimal Hankel norm approximation with guaranteed closed-loop performance. , 2012, , .		0
1719	Optimal control of an autonomous underwater vehicle. , 2012, , .		6
1720	Exact Differentiation of Signals With Unbounded Higher Derivatives. IEEE Transactions on Automatic Control, 2012, 57, 1076-1080.	3.6	109
1721	Order-reduction techniques for magnetic components in power electronics. , 2012, , .		O

#	Article	IF	CITATIONS
1722	Scalable positivity preserving model reduction using linear energy functions., 2012,,.		15
1723	Structured power system model reduction of non-coherent areas., 2012,,.		3
1724	Robust trajectory modification for tip position tracking of flexible-link manipulators. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 523-536.	0.7	5
1725	Computational Hydrodynamic Stability and Flow Control Based on Spectral Analysis of Linear Operators. Archives of Computational Methods in Engineering, 2012, 19, 341-379.	6.0	11
1726	Performances of Model Reduction using Factor Division Algorithm and Eigen Spectrum Analysis. International Journal of Control Theory and Computer Modeling, 2012, 2, 1-12.	0.2	1
1727	Model Reduction for a Class of Convergent Nonlinear Systems. IEEE Transactions on Automatic Control, 2012, 57, 1071-1076.	3.6	13
1728	Conjugate-order systems for signal processing: stability, causality, boundedness, compactness. Signal, Image and Video Processing, 2012, 6, 373-380.	1.7	2
1729	Analysis of Modified Fifth Degree Chordal Rings. , 0, , .		3
1730	Sensitivity study of reduced models of the activated sludge process, for the purposes of parameter estimation and process optimisation: Benchmark process with ASM1 and UCT reduced biological models. Water S A, 2012, 38, .	0.2	3
1731	Robust stability and performance analysis for uncertain linear systemsâ€"The distance measure approach. International Journal of Robust and Nonlinear Control, 2012, 22, 1270-1292.	2.1	8
1732	Multi-scale Integration of Physics-Based and Data-Driven Models in Power Systems. , 2012, , .		7
1733	Weighted extremal domains and best rational approximation. Advances in Mathematics, 2012, 229, 357-407.	0.5	24
1734	Applying artificial optimization methods for transformer model reduction of lumped parameter models. Electric Power Systems Research, 2012, 84, 100-108.	2.1	16
1735	State-space solution to weight optimization problem in <mml:math altimg="si9.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>â,<</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž<td>nl:mi><td>mml:mrow></td></td></mml:mi></mml:mrow></mml:msub></mml:math>	nl:mi> <td>mml:mrow></td>	mml:mrow>
1736	Multi-level substructuring combined with model order reduction methods. Linear Algebra and Its Applications, 2012, 436, 3864-3882.	0.4	3
1737	Inexact solves in interpolatory model reduction. Linear Algebra and Its Applications, 2012, 436, 2916-2943.	0.4	21
1738	A posteriori error bounds for discrete balanced truncation. Linear Algebra and Its Applications, 2012, 436, 2744-2763.	0.4	4
1739	Gain scheduled control based on high fidelity local wind turbine models. Renewable Energy, 2012, 37, 233-240.	4.3	31

#	Article	IF	CITATIONS
1740	New spatial basis functions for the model reduction of nonlinear distributed parameter systems. Journal of Process Control, 2012, 22, 404-411.	1.7	26
1741	Feedforward for stabilization in the presence of constraints. Journal of Process Control, 2012, 22, 659-665.	1.7	10
1742	An iterative algorithm for maximizing robust performance in loopâ€shaping design. International Journal of Robust and Nonlinear Control, 2013, 23, 919-931.	2.1	3
1743	A Bootstrap Method for Sum-of-Poles Approximations. Journal of Scientific Computing, 2013, 55, 16-39.	1.1	23
1744	Modal truncation for linear Hamiltonian systems: a physical energy approach. Dynamical Systems, 2013, 28, 187-202.	0.2	1
1745	Algorithms for polynomial spectral factorization and bounded-real balanced state space representations. Mathematics of Control, Signals, and Systems, 2013, 25, 231-255.	1.4	2
1746	Recent Advancements in System Modelling Applications. Lecture Notes in Electrical Engineering, 2013, ,	0.3	1
1747	Error bounds in the gap metric for dissipative balanced approximations. Linear Algebra and Its Applications, 2013, 439, 3659-3698.	0.4	14
1748	Controllability of a class of networked passive linear systems. , 2013, , .		2
1749	Guaranteed Passive Parameterized Macromodeling by Using Sylvester State-Space Realizations. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1444-1454.	2.9	33
1750	Parametrized model reduction based on semidefinite programming. Automatica, 2013, 49, 2840-2844.	3.0	0
1751	Micro-Force sensor by active control of a comb-drive. , 2013, , .		5
1752	Free computer-aided control system design (CACSD) tools for GNU octave. , 2013, , .		3
1753	Analysis and synthesis of modally balanced systems. Automation and Remote Control, 2013, 74, 588-603.	0.4	9
1754	H-infinity optimal control enabled micro-force sensing. , 2013, , .		2
1755	Generalized frequency weighted optimal Hankel norm model reduction. , 2013, , .		6
1756	Greedyâ€based approximation of frequencyâ€weighted Gramian matrices for model reduction in multibody dynamics. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2013, 93, 501-519.	0.9	21
1757	Model reduction of unstable systems using balanced truncation. , 2013, , .		5

#	Article	IF	CITATIONS
1758	New procedure in designing 2D-IIR filters based on 2D-FIR filters approximation. , 2013, , .		1
1759	Limited frequency interval Gramians based model reduction for nonsingular generalized systems. , 2013, , .		2
1760	Reduced order linear functional observers for large scale linear discrete-time control systems. , 2013, , .		1
1761	The alignment distance on Spaces of Linear Dynamical Systems. , 2013, , .		9
1762	Structured Model Order Reduction of Parallel Models in Feedback. IEEE Transactions on Control Systems Technology, 2013, 21, 739-752.	3.2	14
1763	Researching model order reduction based on Schur analysis. , 2013, , .		2
1764	Passivity-Preserving Parameterized Model Order Reduction Using Singular Values and Matrix Interpolation. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1028-1037.	1.4	13
1765	A review on reduced order approximation for digital filters with complex coefficients using model reduction., 2013,,.		0
1766	Minimizing the memory of a system. , 2013, , .		1
1767	A generalised partial-fraction-expansion based frequency weighted balanced truncation technique. International Journal of Control, 2013, 86, 833-843.	1.2	20
1768	Time and frequency approaches in the approximation problem: A comparative study. , 2013, , .		3
1769	Model reduction of discrete-time switched linear systems over finite-frequency ranges. Nonlinear Dynamics, 2013, 71, 361-370.	2.7	12
1770	Balanced truncation based reduced order modeling of wind farm. International Journal of Electrical Power and Energy Systems, 2013, 53, 649-655.	3.3	26
1771	Model reduction for nonlinear systems with incremental gain or passivity properties. Automatica, 2013, 49, 861-872.	3.0	32
1772	Semidefinite Hankel-Type Model Reduction Based on Frequency Response Matching. IEEE Transactions on Automatic Control, 2013, 58, 1057-1062.	3.6	9
1775	Identification of microwave filters by analytic and rational approximation. Automatica, 2013, 49, 317-325.	3.0	13
1776	Improved Matrix Fraction Approximation of Aerodynamic Transfer Matrices. AIAA Journal, 2013, 51, 1156-1173.	1.5	20
1777	An explicit state-space solution to the one-block super-optimal distance problem. Mathematics of Control, Signals, and Systems, 2013, 25, 167-196.	1.4	0

#	Article	IF	CITATIONS
1778	A comparison of model reduction techniques from structural dynamics, numerical mathematics and systems and control. Journal of Sound and Vibration, 2013, 332, 4403-4422.	2.1	208
1779	Interpolatory model reduction. Systems and Control Letters, 2013, 62, 567-574.	1.3	12
1780	\$mathcal{H}_{infty}\$ Loop-Shaping Design Procedures. Advanced Textbooks in Control and Signal Processing, 2013, , 49-64.	0.6	0
1781	Lower-Order Controllers. Advanced Textbooks in Control and Signal Processing, 2013, , 73-91.	0.6	4
1782	Robust Control Design with MATLAB®. Advanced Textbooks in Control and Signal Processing, 2013, , .	0.6	90
1783	Model Reduction of Higher Order Systems in Fractional Order Template. Studies in Computational Intelligence, 2013, , 241-256.	0.7	3
1784	Applying order reduction model algorithm for balancing control problems of two-wheeled mobile robot. , 2013, , .		3
1785	Application of dynamic equivalence techniques to derive aggregated models of active distribution network cells and microgrids., 2013,,.		24
1786	A real time procedure for affinely dependent parametric model order reduction using interpolation on Grassmann manifolds. International Journal for Numerical Methods in Engineering, 2013, 93, 818-833.	1.5	33
1787	REDUCING POWER SYSTEM MODELS BY HANKEL NORM APPROXIMATION TECHNIQUE. International Journal of Modelling and Simulation, 2013, 33, .	2.3	4
1788	Smooth Robust Subspace Based Model Reduction. , 2013, , .		2
1789	Mixed Additive/Multiplicative Hâ^ž Model Reduction. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	4
1790	Control Problems of Discrete-Time Dynamical Systems. Lecture Notes in Control and Information Sciences, 2013, , .	0.6	3
1791	LPV Aeroservoelastic Control using the LPVTools Toolbox. , 2013, , .		30
1792	Robust Filtering and Fault Detection of Switched Delay Systems. Lecture Notes in Control and Information Sciences, 2013, , .	0.6	17
1793	Pilot-Induced Oscillations Prevention Using Anti-Windup Compensation in the Presence of Time-Delay. Applied Mechanics and Materials, 0, 325-326, 1262-1266.	0.2	0
1794	Power System Coherency and Model Reduction. Power Electronics and Power Systems, 2013, , .	0.6	184
1795	Dynamics and robust control of underwater vehicles for depth trajectory following. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2013, 227, 107-113.	0.3	2

#	Article	IF	CITATIONS
1796	POD for Real-Time Simulation of Hyperelastic Soft Biological Tissue Using the Point Collocation Method of Finite Spheres. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	9
1797	A class of generalized orthonormal functions. , 2013, , .		0
1798	Model Order Reduction: Techniques and Tools. , 2013, , 1-10.		4
1799	Balanced Truncation Approach to Power System Model Order Reduction. Electric Power Components and Systems, 2013, 41, 747-764.	1.0	28
1800	Improved results on frequency weighted optimal Hankel norm model reduction. , 2013, , .		7
1801	Balanced Averaging of Bilinear Systems with Applications to Stochastic Control. SIAM Journal on Control and Optimization, 2013, 51, 2356-2378.	1.1	42
1802	Automatic task-specific model reduction for humanoid robots., 2013,,.		6
1803	LMI based model order reduction considering the minimum phase characteristic of the system. , 2013, , .		3
1804	A frequency limited model reduction technique for linear discrete systems. , 2013, , .		2
1805	Generalized incremental balanced truncation for nonlinear systems. , 2013, , .		1
1806	A new frequency weighted model reduction technique using balanced singular perturbation approximation. , 2013, , .		6
1807	Evolutionary computation for model order reduction with Parametric Generalised SPA., 2013,,.		1
1808	Singular linear-quadratic control for semistabilization. , 2013, , .		0
1809	Model Reduction in Flexible-Aircraft Dynamics with Large Rigid-Body Motion. , 2013, , .		1
1810	Plasma vertical position, shape, and current control in T-15 tokamak. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1786-1791.	0.4	4
1811	Balanced Truncation Techniques for Active Suspension Reduced-Order Hâ^ž-Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 123-128.	0.4	4
1812	Modelling of aerodynamic flutter on a NACA 4412 airfoil with application to wind turbine blades. International Journal of Simulation and Process Modelling, 2013, 8, 79.	0.1	3
1813	Robust controller design for an electromagnetic active suspension subjected to mixed uncertainties. International Journal of Vehicle Design, 2013, 63, 423.	0.1	5

#	Article	IF	CITATIONS
1815	Integrated Model Reduction and Control of Aircraft with Flexible Wings., 2013,,.		4
1816	Model reduction in bio-chemical reaction networks with Michaelis-Menten kinetics. , 2013, , .		4
1817	Stability Analysis and <mml:math id="M1" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž Reduction for Switched Discrete-Time Time-Delay Systems. Mathematical Problems in Engineering, 2014, 2014, 1-15.</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>	/mml:mi><	:/mml:mrow
1818	Model Order Reduction for Linear and Nonlinear Systems: A System-Theoretic Perspective. Archives of Computational Methods in Engineering, 2014, 21, 331-358.	6.0	220
1819	Square-root optimal hankel norm approximation technique for order reduction of non-minimal systems. , 2014, , .		0
1820	Model reduction of a class of nonlinear systems: a convex-optimization approach. IMA Journal of Mathematical Control and Information, 2014, 31, 519-531.	1.1	8
1821	Robust Control of Maintenance-Phase Anesthesia [Applications of Control]. IEEE Control Systems, 2014, 34, 24-38.	1.0	24
1822	Real time simulation of a robust LQG based wide area damping controller in power system. , 2014, , .		15
1823	Nonlinear Model Reduction for Aeroelastic Control of Flexible Aircraft Described by Large Finite-Element Models. , 2014, , .		5
1824	Predictive Control for Alleviation of Gust Loads on Very Flexible Aircraft. , 2014, , .		10
1825	Modified balanced truncation preserving ellipsoidal cone-invariance. , 2014, , .		12
1827	Order reduction of power system models using square-root balanced approach. , 2014, , .		0
1828	On projection-based model reduction of biochemical networks part I: The deterministic case. , 2014, , .		10
1829	A nonlinear order reduction modeling procedure for polynomial discrete-time systems. , 2014, , .		1
1830	Approximate regularization path for nuclear norm based H <inf>2</inf> model reduction., 2014,,.		4
1831	Order reduction of higher order interval systems by stability preservation approach., 2014,,.		5
1832	Stability Preserving Model Reduction Technique and Error Bounds Using Frequency-Limited Gramians for Discrete-Time Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 716-720.	2.2	27
1833	Identification of an LFT uncertainty model by minimizing the ν-gap metric., 2014,,.		1

#	Article	IF	CITATIONS
1834	Balanced truncation for linear switched systems with time-varying delay: Continuous-time case. , 2014, , .		2
1835	Controllability and observability grammians for balancing linear singularly perturbed systems. , 2014, , .		0
1837	On reduced order modeling of flexible structures from frequency response data. , 2014, , .		1
1838	Model reduction of networked passive systems through clustering. , 2014, , .		13
1839	Exploiting sparsity and equation-free architectures in complex systems. European Physical Journal: Special Topics, 2014, 223, 2665-2684.	1.2	61
1840	Frequency Weighted Model Order Reduction Technique and Error Bounds for Discrete Time Systems. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	16
1841	Negative imaginary balancing for mode reduction of LTI negative imaginary systems. , 2014, , .		5
1842	Model Reduction and Clusterization of Large-Scale Bidirectional Networks. IEEE Transactions on Automatic Control, 2014, 59, 48-63.	3.6	76
1843	Nu-Gap Model Reduction in the Frequency Domain. IEEE Transactions on Automatic Control, 2014, 59, 228-233.	3.6	2
1844	A computationally efficient technique for the solution of multi-dimensional PBMs of granulation via tensor decomposition. Computers and Chemical Engineering, 2014, 61, 234-244.	2.0	24
1845	Dynamic generalized controllability and observability functions with applications to model reduction and sensor deployment. Automatica, 2014, 50, 1349-1359.	3.0	11
1846	On the balanced truncation and coprime factors reduction of Markovian jump linear systems. Systems and Control Letters, 2014, 64, 96-106.	1.3	11
1847	A frequency-specific enhanced approach to transfer function approximation. , 2014, , .		1
1848	Coprime factor model reduction for discrete-time uncertain systems. Systems and Control Letters, 2014, 74, 108-114.	1.3	12
1849	Numerical Algorithms Based on Analytic Function Values at Roots of Unity. SIAM Journal on Numerical Analysis, 2014, 52, 1795-1821.	1.1	49
1850	Index-aware model order reduction for differential-algebraic equations. Mathematical and Computer Modelling of Dynamical Systems, 2014, 20, 345-373.	1.4	12
1851	A frequency weighted model order reduction technique and error bounds. Automatica, 2014, 50, 3304-3309.	3.0	45
1852	Frequency weighted model reduction using square-root balanced approach. , 2014, , .		2

#	Article	IF	CITATIONS
1853	Linear parameter varying control of a doubly fed induction generator based wind turbine with primary grid frequency support. International Journal of Robust and Nonlinear Control, 2014, 24, 1927-1946.	2.1	15
1854	Hermitian spectral pseudoinversion and its applications. Mathematical Notes, 2014, 96, 110-121.	0.1	0
1855	Passivity-preserving model reduction with finite frequency <mml:math altimg="si31.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž<td>ıl:310 <td>nl:mrow> </td></td></mml:mi></mml:mrow></mml:msub></mml:math>	ıl:310 <td>nl:mrow> </td>	nl:mrow>
1856	Model Reduction for Nonlinear Systems by Incremental Balanced Truncation. IEEE Transactions on Automatic Control, 2014, 59, 2739-2753.	3.6	48
1857	Dynamic-Feature Extraction, Attribution, and Reconstruction (DEAR) Method for Power System Model Reduction. IEEE Transactions on Power Systems, 2014, 29, 2049-2059.	4.6	50
1858	Model Reduction by Balanced Truncation for Systems with Nuclear Hankel Operators. SIAM Journal on Control and Optimization, 2014, 52, 1366-1401.	1.1	13
1859	Coherency-Independent Structured Model Reduction of Power Systems. IEEE Transactions on Power Systems, 2014, 29, 2418-2426.	4.6	38
1860	Reduced-Order Aeroelastic Models for Dynamics of Maneuvering Flexible Aircraft. AIAA Journal, 2014, 52, 1717-1732.	1.5	62
1861	A study of singular spectrum analysis with global optimization techniques. Journal of Global Optimization, 2014, 60, 551-574.	1.1	7
1862	Fast Structured Nuclear Norm Minimization With Applications to Set Membership Systems Identification. IEEE Transactions on Automatic Control, 2014, 59, 2837-2842.	3.6	18
1863	Modal Dominancy Analysis Based on Modal Contribution to Frequency Response Function -Norm. Mechanical Systems and Signal Processing, 2014, 48, 218-231.	4.4	8
1864	Local–global model reduction of parameter-dependent, single-phase flow models via balanced truncation. Journal of Computational and Applied Mathematics, 2014, 271, 163-179. On the closest stable descriptor system in the respective spaces mill:math	1.1	6
1865	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"> <mml:msub><mml:mrow><mml:mi mathvariant="italic">RH</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:msub><mml:mrow><mml:mi< td=""><td>> <¢n≄iml:ma</td><td>atb5 and < mn</td></mml:mi<></mml:mrow></mml:msub></mml:msub>	> < ¢n≄i ml:ma	at b5 and < mn
1866	overflow="scroll"> <mml:msub><mml:mrow><mml:mi nathvariant="italic">RH</mml:mi></mml:mrow> Model reduction by extended minimal degree optimal Hankel norm approximation. Applied Mathematical Modelling, 2014, 38, 2922-2933.</mml:msub>	2.2	26
1867	A new estimation of the lower error bound in balanced truncation method. Automatica, 2014, 50, 2196-2198.	3.0	8
1868	Robust and Optimal Control. Advances in Industrial Control, 2014, , .	0.4	20
1869	A regularized phenomenological multiscale damage model. International Journal for Numerical Methods in Engineering, 2014, 99, 867-887.	1.5	39
1870	Stabilizing Controller Design for Quasi-Resonant Converters Described by a Class of Piecewise Linear Models. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 312-323.	3.5	15

#	Article	IF	CITATIONS
1871	Performance of Reduced Order Models of Moving Heat Source Deposition Problems for Efficient Inverse Analysis. , 2014 , , .		3
1874	A Critical View on Benchmarks based on Randomly Generated Systems. IFAC-PapersOnLine, 2015, 48, 1471-1476.	0.5	3
1875	Robust eigenstructure clustering by non-smooth optimisation. International Journal of Control, 2015, 88, 1441-1455.	1.2	5
1876	Model reduction for nonlinear systems and nonlinear time-delay systems from input/output data. , 2015, , .		6
1877	Reduced order finite element modelling of a nonlinear system: an application to induction heating system. International Journal of Engineering Systems Modelling and Simulation, 2015, 7, 223.	0.2	0
1878	Input and Output Normal Forms for Model Order Reduction of Linear Systems. Information Technologies and Control, 2015, 13, 20-28.	0.1	0
1879	Balanced realization based order reduction of uncertain systems using frequency weights., 2015,,.		0
1880	SiMpLIfy: A toolbox for structured model reduction. , 2015, , .		0
1881	Model reduction by moment matching at discontinuous signals via hybrid output regulation. , 2015, , .		5
1883	Geometry of Second-Order Random Processes. Series in Contemporary Mathematics, 2015, , 25-64.	0.4	0
1884	Controller design for TCSC using observed-state feedback method to damp SSR in DFIG-based wind farms. , 2015, , .		10
1885	Dynamic state and input aggregation. , 2015, , .		1
1886	Optimal model reduction for non-rational functions. , 2015, , .		2
1887	Balanced truncation of linear systems interconnected over arbitrary graphs with communication latency. , 2015 , , .		4
1888	A unified view of Balanced Truncation and Singular Perturbation Approximations. , 2015, , .		2
1889	Stiffness gradient detection for tissue discrimination based on identification of mass-spring-damper models., 2015,,.		1
1890	Decay of singular values of the Gramians of infinite-dimensional systems. , 2015, , .		5
1891	Model order reduction for discrete-time LTI systems using the alignment distance. , 2015, , .		2

#	Article	IF	CITATIONS
1892	Dynamic management of network risk from epidemic phenomena. , 2015, , .		0
1893	Model reduction procedure for stable nonlinear systems. , 2015, , .		1
1894	Model reduction for a class of nonlinear delay differential equations with time-varying delays. , 2015, , .		1
1895	A descriptor Takagi-Sugeno approach to frequency weighted nonlinear model reduction. , 2015, , .		O
1896	Matrix Equations and Model Reduction. Series in Contemporary Applied Mathematics, 2015, , 50-75.	0.8	0
1897	Hankel model reduction for descriptor systems. , 2015, , .		6
1898	<mml:math altimg="si0001.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^žmodel approximation for discrete-time Takagiâ€"Sugeno fuzzy systems with Markovian jumping parameters. Neurocomputing, 2015, 157, 306-314.</mml:mi></mml:mrow></mml:msub></mml:math>	ml:mi> <td>ıml;mrow></td>	ıml;mrow>
1899	SSR damping in wind farms using observed-state feedback control of DFIG converters. Electric Power Systems Research, 2015, 123, 57-66.	2.1	34
1901	Controller reduction by \$\$H_infty \$\$ H â^ž balanced truncation for infinite-dimensional, discrete-time systems. Mathematics of Control, Signals, and Systems, 2015, 27, 111-147.	1.4	0
1902	Comparison between balanced truncation and modal truncation techniques for linear stateâ€space symmetric systems. IET Control Theory and Applications, 2015, 9, 900-904.	1.2	11
1903	Limited frequency interval Gramianâ€based model reduction for generalised nonâ€singular discrete time systems. IET Control Theory and Applications, 2015, 9, 1356-1363.	1.2	4
1904	Balanced truncation approach to model reduction of Markovian jump time-varying delay systems. Journal of the Franklin Institute, 2015, 352, 4205-4224.	1.9	21
1905	Model reduction on Markovian jump systems with partially unknown transition probabilities: balanced truncation approach. IET Control Theory and Applications, 2015, 9, 1411-1421.	1.2	17
1906	Model reduction for delay differential equations with guaranteed stability and error bound. Automatica, 2015, 55, 132-139.	3.0	18
1907	A descriptor Takagi–Sugeno approach to nonlinear model reduction. Linear Algebra and Its Applications, 2015, 479, 52-72.	0.4	4
1908	Minimizing memory effects of a system. Mathematics of Control, Signals, and Systems, 2015, 27, 77-110.	1.4	5
1909	Analysis of multiplicity of Hankel singular values of control systems. Automation and Remote Control, 2015, 76, 205-218.	0.4	2
1910	Soft Computing Approach for Model Order Reduction of Linear Time Invariant Systems. Circuits, Systems, and Signal Processing, 2015, 34, 3471-3487.	1.2	67

#	Article	IF	CITATIONS
1911	Characterization of the moments of a linear system driven by explicit signal generators. , 2015, , .		19
1912	A Stable and Transparent Microscale Force Feedback Teleoperation System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2593-2603.	3.7	25
1913	A Lower Bound for the Balanced Truncation Error for MIMO Systems. IEEE Transactions on Automatic Control, 2015, 60, 2207-2212.	3.6	8
1914	Analysis of subsynchronous control interactions in DFIG-based wind farms: ERCOT case study. , 2015, , .		22
1915	Model reduction for discrete-time Markov jump Lur \times^3 e systems with time-varying delays in a unified framework. Journal of the Franklin Institute, 2015, 352, 5003-5023.	1.9	3
1916	Dissipativity-based model reduction for discrete-time piecewise homogeneous Markov jump Lur'e systems. , 2015, , .		0
1917	Dimension reduction and controller design for a waste water treatment plant. , 2015, , .		4
1918	Frequency weighted square-root optimal Hankel norm model reduction. , 2015, , .		0
1919	Distillation column controllability analysis through heat pump integration. Chemical Engineering and Processing: Process Intensification, 2015, 97, 23-37.	1.8	16
1920	A Robust H _{â^ž} Controller Based Gain-scheduled Approach for the Power Smoothing of Wind Turbine Generator with a Battery Energy Storage System. Electric Power Components and Systems, 2015, 43, 2156-2167.	1.0	12
1921	Finite-Frequency Model Reduction of Two-Dimensional Digital Filters. IEEE Transactions on Automatic Control, 2015, 60, 1624-1629.	3.6	55
1922	Model reduction of descriptor systems using frequency limited Gramians. Journal of the Franklin Institute, 2015, 352, 33-51.	1.9	28
1923	State-space representation of Li-ion battery porous electrode impedance model with balanced model reduction. Journal of Power Sources, 2015, 273, 1226-1236.	4.0	18
1924	Model reduction of a class of discrete-time nonlinear systems. Applied Mathematics and Computation, 2015, 250, 78-93.	1.4	9
1925	Model order reduction applied to heat conduction in photovoltaic modules. Composite Structures, 2015, 119, 477-486.	3.1	16
1926	A Comparison of Model-Order Reduction Techniques for Multiphase Transmission Line Systems. , 2016, , .		1
1927	Model reduction of LTI systems using spectral projection with application to power systems. , 2016, , .		0
1928	Stability preserving post-processing methods applied in the Loewner framework. , 2016, , .		13

#	Article	IF	CITATIONS
1930	Mu synthesized robust controller for multi-SST islanded smart grid., 2016,,.		4
1931	A constructive solution to the sub-optimal Hankel norm approximation problem for a class of infinite-dimensional systems. , 2016, , .		0
1932	A novel model order reduction technique based on simulated annealing. , 2016, , .		1
1933	Model order reduction using fuzzy logic algorithm. , 2016, , .		5
1934	Approximation and order reduction of fractional order SISO system. , 2016, , .		7
1935	Constrained optimal reduced-order models from input/output data. , 2016, , .		7
1936	The L <inf>â^ž</inf> =L <inf>2</inf> Hankel norm of sampled-data systems. , 2016, , .		1
1937	Model order reduction using genetic algorithm. , 2016, , .		6
1938	Model reduction of second-order network systems using graph clustering. , 2016, , .		7
1939	Including inputs and control within equation-free architectures for complex systems. European Physical Journal: Special Topics, 2016, 225, 2413-2434.	1.2	6
1940	Coprime factors model reduction of linear systems interconnected over arbitrary graphs with communication latency. , 2016, , .		3
1941	Fourier-based accurate reduced-order model for Linear power systems applications. , 2016, , .		2
1942	Model reduction for hybrid systems with state-dependent jumps. IFAC-PapersOnLine, 2016, 49, 850-855.	0.5	18
1943	Comparative analysis of dynamic model reduction with application in power systems. , 2016, , .		6
1944	Structure preserving model order reduction of large sparse second-order index-1 systems and application to a mechatronics model. Mathematical and Computer Modelling of Dynamical Systems, 2016, 22, 509-523.	1.4	20
1945	An H _{â^ž} Design Approach for the Heading Hold Autopilot of a Flying Wing UAV. Applied Mechanics and Materials, 2016, 841, 315-322.	0.2	1
1946	Adapting state-space reduction techniques to match steady-state responses. , 2016, , .		0
1947	A Structure-preserving Model Reduction Algorithm for Dynamical Systems with Nonlinear Frequency Dependence. IFAC-PapersOnLine, 2016, 49, 56-61.	0.5	5

#	Article	IF	CITATIONS
1948	Discrete Wide-area Power System Damping Controller using Periodic Output Feedback. Electric Power Components and Systems, 2016, 44, 1892-1903.	1.0	6
1949	$mathscr{H}_{2}\$ model order reduction for bilinear systems based on the cross gramian. IMA Journal of Mathematical Control and Information, 2016, , dnw029.	1.1	1
1950	Eventâ€triggered communication in wideâ€area damping control: a limited output feedbackâ€based approach. IET Generation, Transmission and Distribution, 2016, 10, 4094-4104.	1.4	16
1951	Model order reduction in the â,,'2-gap metric. , 2016, , .		3
1952	The influence of uncontrolled nodes in complex networks. , 2016, , .		1
1953	State-response decomposition for model reduction. Systems Science and Control Engineering, 2016, 4, 379-385.	1.8	1
1954	Leader-following state consensus for homogeneous multi-agent systems over time-varying feedback graphs. , $2016, $, .		1
1955	A New Selection Operator for the Discrete Empirical Interpolation MethodImproved A Priori Error Bound and Extensions. SIAM Journal of Scientific Computing, 2016, 38, A631-A648.	1.3	190
1956	Model order reduction of continuous time system using hybrid metaheuristic algorithm. , 2016, , .		1
1957	Applications of advanced control methods in spacecrafts: progress, challenges, and future prospects. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 841-861.	1.5	20
1958	Finite-frequency model reduction of discrete-time T–S fuzzy state-delay systems. Neurocomputing, 2016, 203, 121-128.	3.5	9
1959	Tangential interpolation-based eigensystem realization algorithm for MIMO systems. Mathematical and Computer Modelling of Dynamical Systems, 2016, 22, 282-306.	1.4	25
1960	Balanced-based model reduction of uncertain systems with interval parameters. JVC/Journal of Vibration and Control, 2016, 22, 2958-2969.	1.5	2
1961	Generalized \$\${varvec{H}_{infty}}\$\$ H â^ž model reduction for stable two-dimensional discrete systems. Multidimensional Systems and Signal Processing, 2016, 27, 359-382.	1.7	20
1962	Impulse energy approximation of higher-order interval systems using Kharitonov's polynomials. Transactions of the Institute of Measurement and Control, 2016, 38, 1225-1235.	1.1	14
1963	Finite-frequency model reduction of continuous-time switched linear systems with average dwell time. International Journal of Electronics, 2016, 103, 1894-1908.	0.9	0
1964	Dynamic Load Alleviation in Wake Vortex Encounters. Journal of Guidance, Control, and Dynamics, 2016, 39, 801-813.	1.6	21
1965	Structure-preserving model reduction for spatially interconnected systems with experimental validation on an actuated beam. International Journal of Control, 2016, 89, 1248-1268.	1.2	20

#	Article	IF	CITATIONS
1966	Cyber–Physical Modeling of Distributed Resources for Distribution System Operations. Proceedings of the IEEE, 2016, 104, 789-806.	16.4	38
1967	Finite-Frequency Model Reduction of Takagi–Sugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 1464-1474.	6.5	31
1968	Dynamic model-based sensor network design algorithm for system efficiency maximization. Computers and Chemical Engineering, 2016, 89, 27-40.	2.0	8
1969	Application of Balanced Realizations for Model-Order Reduction of Dynamic Power System Equivalents. IEEE Transactions on Power Delivery, 2016, 31, 2304-2312.	2.9	50
1970	Robust linear quadratic Gaussianâ€based discrete mode wide area power system damping controller. IET Generation, Transmission and Distribution, 2016, 10, 1470-1478.	1.4	47
1971	An efficient trajectory-based algorithm for model order reduction of nonlinear systems via localized projection and global interpolation. , 2016, , .		0
1972	Clustering-Based Model Reduction of Networked Passive Systems. IEEE Transactions on Automatic Control, 2016, 61, 2958-2973.	3.6	27
1973	Model Reduction by Matching the Steady-State Response of Explicit Signal Generators. IEEE Transactions on Automatic Control, 2016, 61, 1995-2000.	3 . 6	40
1974	Parametric Model Order Reduction via Balanced Truncation with Taylor Series Representation. IEEE Transactions on Automatic Control, 2016, 61, 3438-3451.	3.6	18
1975	Optimal singular control for nonlinear semistabilisation. International Journal of Control, 2016, 89, 1222-1239.	1.2	6
1976	Model Reduction of Neutral Linear and Nonlinear Time-Invariant Time-Delay Systems With Discrete and Distributed Delays. IEEE Transactions on Automatic Control, 2016, 61, 1438-1451.	3.6	70
1977	An Adaptive Rational Block Lanczos-Type Algorithm for Model Reduction of Large Scale Dynamical Systems. Journal of Scientific Computing, 2016, 67, 221-236.	1.1	7
1978	Model reduction of generalized non-singular systems using limited frequency interval Gramians. IMA Journal of Mathematical Control and Information, 2016, 33, 333-347.	1.1	4
1979	Minimax principle and lower bounds in H2-rational approximation. Journal of Approximation Theory, 2016, 206, 17-47.	0.5	3
1980	Design and development of cancer regulatory system by modeling electrical network of gene. Microsystem Technologies, 2016, 22, 2641-2653.	1.2	5
1981	Robust control synthesis for dynamic vessel positioning. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2017, 231, 98-108.	0.3	2
1982	Model reduction for systems with inhomogeneous initial conditions. Systems and Control Letters, 2017, 99, 99-106.	1.3	35
1983	Reduction of Power System Dynamic Models Using Sparse Representations. IEEE Transactions on Power Systems, 2017, 32, 3893-3900.	4.6	7

#	Article	IF	CITATIONS
1984	Model reduction for linear and nonlinear magnetoâ€quasistatic equations. International Journal for Numerical Methods in Engineering, 2017, 111, 1274-1299.	1.5	9
1986	Transient Heat Conduction in On-Chip Interconnects Using Proper Orthogonal Decomposition Method. Journal of Heat Transfer, 2017, 139, .	1.2	11
1987	Modeling of discrete-time fractional-order state space systems using the balanced truncation method. Journal of the Franklin Institute, 2017, 354, 3008-3020.	1.9	38
1988	Data-driven model reduction by moment matching for linear and nonlinear systems. Automatica, 2017, 79, 340-351.	3.0	74
1989	Persistent model order reduction for complex dynamical systems using smooth orthogonal decomposition. Mechanical Systems and Signal Processing, 2017, 96, 125-138.	4.4	13
1990	A Proposal of Multi-Dimensional Modal Reduction for Nonlinear Dynamic Simulations. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 107-114.	0.3	1
1991	A global rational Arnoldi method for model reduction. Journal of Computational and Applied Mathematics, 2017, 325, 175-187.	1.1	2
1992	Persistent Models for Complex Control Systems. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 167-175.	0.3	0
1993	Model Order Reduction for Differential-Algebraic Equations: A Survey. Differential-algebraic Equations Forum, 2017, , 107-160.	0.6	55
1995	H 2 optimal reduced models of general MIMO LTI systems via the cross Gramian on the Stiefel manifold. Journal of the Franklin Institute, 2017, 354, 3210-3224.	1.9	24
1996	Dynamic Control Allocation for Damping of Inter-Area Oscillations. IEEE Transactions on Power Systems, 2017, 32, 4894-4903.	4.6	42
1997	A Review on Model Reduction by Moment Matching for Nonlinear Systems. Lecture Notes in Control and Information Sciences, 2017, , 29-52.	0.6	0
1998	Bundle Reduction and the Alignment Distance on Spaces of State-Space LTI Systems. IEEE Transactions on Automatic Control, 2017, 62, 3804-3819.	3.6	2
1999	<i>H</i> _{â^ž} model reduction for negative imaginary systems. International Journal of Systems Science, 2017, 48, 1515-1521.	3.7	11
2000	Finding Hankel singular values for singularly perturbed linear continuousâ€time systems. IET Control Theory and Applications, 2017, 11, 1063-1069.	1.2	3
2001	H 2 order and parameter dependency reduction of uncertain linear systems using LMI relaxations. IFAC-PapersOnLine, 2017, 50, 6338-6343.	0.5	1
2002	Underwater Vehicle near-surface dynamic positioning: Compensating sliding mode trajectory with robust optimal controller. , 2017, , .		0
2003	On the asymptotic accuracy of reduced-order models. International Journal of Control, Automation and Systems, 2017, 15, 2436-2442.	1.6	4

#	Article	IF	CITATIONS
2004	$H < \inf > \hat{a}^* \le / \inf > model \ reduction \ for \ T-S \ fuzzy \ systems \ with \ finite \ frequency \ specifications.$		0
2005	Cross-Gramian-Based Model Reduction: A Comparison. Modeling, Simulation and Applications, 2017, , 271-283.	1.3	2
2006	Chapter 6: Model Order Reduction Based on System Balancing. , 2017, , 261-295.		1
2007	Community-based model reduction of networked linear systems. , 2017, , .		0
2008	A control framework for uniaxial shaking tables considering tracking performance and system robustness. Structural Control and Health Monitoring, 2017, 24, e2015.	1.9	14
2009	Gray-box modeling of resistive wall modes with vacuum-plasma separation and optimal control design for EXTRAP T2R. Fusion Engineering and Design, 2017, 121, 245-255.	1.0	2
2010	Empirical Riccati covariance matrices for closed-loop model order reduction of nonlinear systems by balanced truncation. , $2017, \ldots$		1
2011	Model reduction for linear differential inclusions: moment-set and time-variance., 2017,,.		5
2012	Dynamic temperature estimation of power electronics systems., 2017,,.		4
2013	Balanced Generalized Singular Perturbation Method for Unstable Linear Time Invariant Continuous Systems. Acta Mathematica Vietnamica, 2017, 42, 615-635.	0.2	1
2014	Representation and Factorization of Discrete-Time Rational All-Pass Functions. IEEE Transactions on Automatic Control, 2017, 62, 3262-3276.	3.6	12
2015	A matrix rational Lanczos method for model reduction in largeâ€scale first―and secondâ€order dynamical systems. Numerical Linear Algebra With Applications, 2017, 24, e2077.	0.9	2
2016	Trajectory planning and trajectory tracking for a small-scale helicopter in autorotation. Control Engineering Practice, 2017, 58, 88-106.	3.2	16
2017	Hankel Norm Performance of Digital Filters Associated With Saturation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 720-724.	2.2	11
2018	Frequency-limited Hâ^ž-controller order reduction for linear parameter-varying systems. International Journal of Control, 2017, 90, 2031-2046.	1.2	5
2019	On some properties of the extended block and global Arnoldi methods with applications to model reduction. Numerical Algorithms, 2017, 75, 285-304.	1.1	4
2020	$eq:halt;inf>2</inf>andmixed H<inf>2</inf>/H<inf>a^ž</inf>\ model\ reduction\ for\ negative\ imaginary\ systems.\ , 2017,\ ,\ .$		2
2021	Model reduction for linear delay systems using a delay-independent balanced truncation approach. , 2017, , .		4

#	Article IF		Citations
2022	Model reduction by moment matching at isolated singularities for linear systems: a complex analytic approach. IFAC-PapersOnLine, 2017, 50, 6350-6354.	į	7
2023	Characterization of Quasi L $\hat{a}\hat{z}$ /L 2 Hankel Norms of Sampled-Data Systems. IFAC-PapersOnLine, 2017, 50, 3623-3628.		2
2024	On the transformation formulas of the Hankelâ€norm approximation. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 823-824.	!	2
2025	Dimension reduction and controller design for large scale systems using balanced truncation. , 2017, ,		3
2026	On guided and automatic control configuration selection. , 2017, , .		1
2027	A generic model order reduction technique based on Particle Swarm Optimization (PSO) algorithm. , 2017, , .		4
2028	Modeling and controller design for helicopter dynamics. , 2017, , .		O
2029	The mixed H <inf>2</inf> /H <inf>â^ž</inf> model-order reduction. , 2017, , .		O
2030	H<inf>2</inf>-Galerkin projection method for model order reduction of linear and nonlinear systems. , 2017 , , .		1
2031	On the link between storage functions of allpass systems and Gramians. , 2017, , .		2
2032	Distance to the nearest stable Metzler matrix., 2017,,.		8
2033	Design and performance analysis of optimal reduced order H-infinity controller: L1 norm based genetic algorithm technique. , 2017, , .		3
2034	A Highly Relevant Method for Incorporation of Shunt Connected FACTS Device into Multi-Machine Power System to Dampen Electromechanical Oscillations. Energies, 2017, 10, 482.		5
2035	An Augmented Lagrangian Method for the Optimal <mml:math id="M1" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>â^ž<td>l:mi><</td><td>/mml:mrov</td></mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>	l:mi><	/mml:mrov
2036	Model reduction of nonlinear systems subject to input disturbances. , 2017, , .		1
2037	Balanced truncation model reduction for fault tolerant switched linear system. , 2017, , .		O
2038	Hankel norm approximation of a stable non-minimal system. , 2017, , .		1
2039	Multi-objective complexity reduction for set-based fault diagnosis. , 2017, , .		O

#	Article	IF	CITATIONS
2040	Control allocation for wide area coordinated damping. , 2017, , .		4
2041	On control structure design for a walking beam furnace. , 2017, , .		3
2042	Timeâ€weighted MR for switched LPV systems via balanced realisation. IET Control Theory and Applications, 2017, 11, 3069-3078.	1.2	11
2043	Reduction of interval systems using Kharitonov's polynomials and their derivatives., 2017,,.		1
2044	Approximation to an unstable, MIMO waste water treatment plant. , 2017, , .		0
2045	Nonlinear Model Reduction by Moment Matching. Foundations and Trends in Systems and Control, 2017, 4, 224-409.	3.8	41
2046	Improving Power System Stability with Gramian Matrix-Based Optimal Setting of a Single Series FACTS Device: Feasibility Study in Vietnamese Power System. Complexity, 2017, 2017, 1-21.	0.9	6
2047	An extended nonsymmetric block Lanczos method for model reduction in large scale dynamical systems. Calcolo, 2018, 55, 1.	0.6	6
2048	Reverse time migration by Krylov subspace reduced order modeling. Journal of Applied Geophysics, 2018, 151, 298-308.	0.9	2
2049	Design of Filter based Wide Area Damping Controllers in Power System. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.6	1
2050	<i>H</i> _{â^ž} model reduction for Tâ€6 fuzzy systems over finite frequency ranges. Optimal Control Applications and Methods, 2018, 39, 1479-1496.	1.3	21
2051	Model Reduction Using Parameterized Limited Frequency Interval Gramians for 1-D and 2-D Separable Denominator Discrete-Time Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2571-2580.	3.5	19
2052	A review on design of experiments and surrogate models in aircraft real-time and many-query aerodynamic analyses. Progress in Aerospace Sciences, 2018, 96, 23-61.	6.3	178
2053	Low-Rank Optimization With Convex Constraints. IEEE Transactions on Automatic Control, 2018, 63, 4000-4007.	3.6	25
2054	Network Abstraction With Guaranteed Performance Bounds. IEEE Transactions on Automatic Control, 2018, 63, 3301-3316.	3.6	12
2055	Balanced truncation-rational Krylov methods for model reduction in large scale dynamical systems. Computational and Applied Mathematics, 2018, 37, 525-540.	1.3	4
2056	Extended approaches based on Genetic Algorithms (GAs) for MIMO singular systems approximation. Transactions of the Institute of Measurement and Control, 2018, 40, 148-154.	1.1	0
2057	Acoustic wave propagation simulation by reduced order modelling. Exploration Geophysics, 2018, 49, 386-397.	0.5	2

#	Article	IF	CITATIONS
2058	Transmission Fault Diagnosis With Sensor-Localized Filter Models for Complexity Reduction. IEEE Transactions on Smart Grid, 2018, 9, 6939-6950.	6.2	13
2059	Frequency Interval Gramians Based Structure Preserving Model Order Reduction for Second Order Systems. Asian Journal of Control, 2018, 20, 790-801.	1.9	14
2060	Linear time-periodic dynamical systems: an H2 analysis and a model reduction framework. Mathematical and Computer Modelling of Dynamical Systems, 2018, 24, 119-142.	1.4	2
2061	Numerical solutions to large-scale differential Lyapunov matrix equations. Numerical Algorithms, 2018, 79, 741-757.	1.1	14
2062	A Computational Global Tangential Krylov Subspace Method for Model Reduction of Large-Scale MIMO Dynamical Systems. Journal of Scientific Computing, 2018, 75, 1614-1632.	1.1	5
2063	Improved Frequency Limited Model Reduction. , 2018, , .		2
2064	Extended balanced truncation for continuous time LTI systems. , 2018, , .		4
2065	HANKEL NORM APPROXIMATION OF A HIGHLY UNSTABLE SYSTEM. , 2018, , .		2
2066	Bruce Francis and H-infinity Control [Historical Perspectives]. IEEE Control Systems, 2018, 38, 100-101.	1.0	0
2067	Model Reduction via Generalized Frequency Interval Cross Gramian ⎠âŽThis work is supported by Science and Engineering Research Board, Government of India under Overseas postdoctoral fellowship grant SB/SO/PDF-262/2015-16 IFAC-PapersOnLine, 2018, 51, 25-29.	0.5	4
2068	Identification of low-order models using Laguerre basis function expansions. IFAC-PapersOnLine, 2018, 51, 72-77.	0.5	5
2069	An Improved LMI-based Approach for the Design of Power System Damping Controllers. IFAC-PapersOnLine, 2018, 51, 287-292.	0.5	0
2070	LPV System Local Model Interpolation Based on Combined Model Reduction. IFAC-PapersOnLine, 2018, 51, 1104-1109.	0.5	2
2071	Minimal Realization Problems for Jump Linear Systems. , 2018, , .		0
2072	Optimal Hankel Norm Approximation for Continuous-Time Descriptor Systems., 2018,,.		2
2073	Gramianâ€based modelâ€order reduction of constrained structural dynamic systems. IET Control Theory and Applications, 2018, 12, 2337-2346.	1.2	6
2074	The Anisotropic Truncated Kernel Method for Convolution with Free-Space Green's Functions. SIAM Journal of Scientific Computing, 2018, 40, A3733-A3754.	1.3	10
2075	Model Reduction of Discrete Time Systems using Time Limited Gramians. , 2018, , .		4

#	Article	IF	CITATIONS
2076	Uncertain Systems: Time-Varying Versus Time-Invariant Uncertainties. Systems and Control: Foundations and Applications, 2018, , 3-91.	0.1	2
2077	H <inf>\hat{a}^*//inf> Model Order Reduction of Uncertain Linear Systems Using generalized KYP Lemma. , 2018, , .</inf>		O
2078	Computation of system gramians for linear time-varying systems. AIP Conference Proceedings, 2018, , .	0.3	1
2079	An output error bound for time-limited balanced truncation. Systems and Control Letters, 2018, 121, 1-6.	1.3	17
2080	The \$L_infty/L_2\$ Hankel Operator/ Norm of Sampled-Data Systems. SIAM Journal on Control and Optimization, 2018, 56, 3685-3707.	1.1	7
2081	Estimating unstable poles in simulations of microwave circuits. , 2018, , .		6
2082	Model Reduction of Discrete-Time Interval Type-2 T–S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 3545-3554.	6.5	17
2083	Boundary Layer Impedance model to analyse the visco-thermal acousto-elastic interactions in centrifugal compressors. Journal of Fluids and Structures, 2018, 81, 179-200.	1.5	5
2084	A new framework for H2-optimal model reduction. Mathematical and Computer Modelling of Dynamical Systems, 2018, 24, 236-257.	1.4	4
2085	Growing Linear Dynamical Networks Endowed by Spectral Systemic Performance Measures. IEEE Transactions on Automatic Control, 2018, 63, 2091-2106.	3.6	33
2086	Hankel-Norm Approach to Robust FIR Estimation of Dynamic Systems Under External Disturbances. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1973-1980.	3.7	2
2087	Legendre orthogonal polynomials approximation of system gramians and its application to balanced truncation. International Journal of Systems Science, 2018, 49, 2170-2186.	3.7	7
2088	Comparison of model reduction methods for very flexible aircraft., 2018,,.		0
2089	A new approach to model reduction of nonlinear control systems using smooth orthogonal decomposition. International Journal of Robust and Nonlinear Control, 2018, 28, 4367-4381.	2.1	8
2090	Hâ^ž Model Reduction for Two-Dimensional Discrete Systems in Finite Frequency Ranges. , 2018, , .		9
2091	A projection-based algorithm for model-order reduction with <mml:math altimg="si25.gif" display="inline" id="mml25" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2<td>:::310 ::mh><td>nl:112row></td></td></mml:mn></mml:mrow></mml:msub></mml:math>	:::310 ::mh> <td>nl:112row></td>	nl: 112 row>
2092	Linear Stability of Moist Convecting Atmospheres. Part I: From Linear Response Functions to a Simple Model and Applications to Convectively Coupled Waves. Journals of the Atmospheric Sciences, 2018, 75, 2889-2907.	0.6	10
2093	Fractional Order System Forced-response Decomposition and Its Application. , 2018, , 75-102.		3

#	Article	IF	CITATIONS
2094	Time response. , 2019, , 333-436.		0
2095	Model Order Reduction by Using the Balanced Truncation and Factor Division Methods. IETE Journal of Research, 2019, 65, 827-842.	1.8	44
2096	Low-Rank Approximation. Communications and Control Engineering, 2019, , .	1.0	28
2097	Model Order Reduction of Wind Farms: Linear Approach. IEEE Transactions on Sustainable Energy, 2019, 10, 1194-1205.	5.9	14
2098	Optimal projection methods for model order reduction of discrete-time systems. IMA Journal of Mathematical Control and Information, 2019, 36, 1105-1131.	1.1	1
2099	Comparison of model order reduction methods for optimal sensor placement for thermo-elastic models. Engineering Optimization, 2019, 51, 465-483.	1.5	10
2100	Dissipativity-Preserving Model Reduction for Takagi–Sugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 659-670.	6.5	14
2101	A Tangential Block Lanczos Method for Model Reduction of Large-Scale First and Second Order Dynamical Systems. Journal of Scientific Computing, 2019, 81, 513-536.	1.1	1
2102	Benchmark problems for continuous-time model identification: Design aspects, results and perspectives. Automatica, 2019, 107, 511-517.	3.0	11
2103	Singular value automata and approximate minimization. Mathematical Structures in Computer Science, 2019, 29, 1444-1478.	0.5	2
2104	Model Order Reduction Method for Large-Scale \$RC\$ Interconnect and Implementation of Adaptive Digital PI Controller. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 2447-2458.	2.1	5
2105	<pre><mml:math altimg="si5.svg" display="inline" id="d1e73" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub> optimality conditions for a finite-time horizon. Automatica, 2019, 110, 108604.</mml:mrow></mml:math></pre>	mrc	ow> <mml:m< td=""></mml:m<>
2106	Scalar Hâ^ \hat{z} autopilot synthesis for control systems and evaluation via HIL simulation. SN Applied Sciences, 2019, 1, 1.	1.5	0
2107	Galerkin-free model reduction for fluid-structure interaction using proper orthogonal decomposition. Journal of Computational Physics, 2019, 396, 579-595.	1.9	19
2108	Nonsmooth Optimization Method for Hâ^ž Output Feedback Control. Asia-Pacific Journal of Operational Research, 2019, 36, 1950015.	0.9	1
2109	A <i>Priori</i> Error Bound for Moment Matching Approximants of Thermal Models. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 2383-2392.	1.4	11
2110	Balanced Model Order Reduction Method for Systems Depending on a Parameter. IFAC-PapersOnLine, 2019, 52, 412-417.	0.5	2
2111	Parameterized model order reduction for linear DAE systems via $\hat{l}\mu$ -embedding technique. Journal of the Franklin Institute, 2019, 356, 2901-2918.	1.9	2

#	Article	IF	CITATIONS
2112	Infinite-dimensional bilinear and stochastic balanced truncation with explicit error bounds. Mathematics of Control, Signals, and Systems, 2019, 31, 1-37.	1.4	12
2113	Model reduction of synchronized homogeneous Lur'e networks with incrementally sector-bounded nonlinearities. European Journal of Control, 2019, 50, 11-19.	1.6	4
2114	Stability of Wide-Area Power System Controls With Intermittent Information Transmission. IEEE Transactions on Power Systems, 2019, 34, 3494-3503.	4.6	8
2115	Kolmogorov n-widths for linear dynamical systems. Advances in Computational Mathematics, 2019, 45, 2273-2286.	0.8	16
2116	Area- and Power-Efficient Nearly-Linear Phase Response IIR Filter by Iterative Convex Optimization. IEEE Access, 2019, 7, 22952-22965.	2.6	5
2117	Optimal Hankel norm model reduction for discrete-time descriptor systems. Journal of the Franklin Institute, 2019, 356, 4124-4143.	1.9	7
2118	An adaptive block tangential method for multi-input multi-output dynamical systems. Journal of Computational and Applied Mathematics, 2019, 358, 190-205.	1.1	0
2119	A secondâ€order reduced asymptotic homogenization approach for nonlinear periodic heterogeneous materials. International Journal for Numerical Methods in Engineering, 2019, 119, 469-489.	1.5	25
2122	Fault Detection and Isolation for Complex Thermal Management Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	3
2123	Finite-time balanced truncation for linear systems via shifted Legendre polynomials. Systems and Control Letters, 2019, 126, 48-57.	1.3	17
2124	Order Reduction in Linear Dynamical Systems by Using Improved Balanced Realization Technique. Circuits, Systems, and Signal Processing, 2019, 38, 5289-5303.	1,2	31
2125	Model-based temperature estimation of power electronics systems. Control Engineering Practice, 2019, 85, 206-215.	3.2	7
2126	Robust Differential Steering Control System for an Independent Four Wheel Drive Electric Vehicle. International Journal of Automotive Technology, 2019, 20, 87-97.	0.7	20
2127	Balanced model reduction of linear systems with nonzero initial conditions: Singular perturbation approximation. Applied Mathematics and Computation, 2019, 353, 295-307.	1.4	10
2128	Parameter Preserving Model Order Reduction of Large Sparse Small-Signal Electromechanical Stability Power System Models. IEEE Transactions on Power Systems, 2019, 34, 2814-2824.	4.6	16
2129	Research on robust reduction control method of steering-by-wire based on MBSE. International Journal of Wireless and Mobile Computing, 2019, 16, 27.	0.1	1
2130	Improved Hâ^ž Model Reduction for T-S Fuzzy Systems in finite frequency domains. , 2019, , .		0
2131	Robust finite frequency H _{â^ž} model reduction for uncertain 2D continuous systems. , 2019, , .		1

#	Article	IF	CITATIONS
2132	Identification of low-order models using rational orthonormal basis functions., 2019,,.		0
2134	Model Order Reduction of LTI Interval Systems Using Differentiation Method Based on Kharitonov's Theorem. IETE Journal of Research, 2022, 68, 2079-2095.	1.8	3
2135	Active steering control system for an independent wheel drive electric vehicle. International Journal of Vehicle Design, 2019, 79, 273.	0.1	2
2136	Middle-Frequency Limited Model Reduction Techniques for T-S fuzzy discrete-time systems. , 2019, , .		O
2137	Time-limited Gramians-based model order reduction for second-order form systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2310-2318.	1.1	15
2138	<inline-formula> <tex-math notation="LaTeX">\${{H}_{infty}}\$ </tex-math> </inline-formula> Model Reduction for Interval Frequency Negative Imaginary Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1116-1129.	3.5	3
2139	Hankel Norm Performance of Interfered Fixed-Point State-Space Digital Filters with Quantization/Overflow Nonlinearities. Circuits, Systems, and Signal Processing, 2019, 38, 3762-3777.	1.2	8
2140	Reduced-Order Models., 2019, , 811-848.		1
2141	The $\hat{l}\frac{1}{4}\hat{a}\in$ synthesis and analysis of water level control in steam generators. Nuclear Engineering and Technology, 2019, 51, 163-169.	1,1	9
2142	Balanced truncation for temporal- and spatial-LPV interconnected systems based on the full block S-procedure. International Journal of Control, 2019, 92, 2396-2407.	1.2	3
2143	Koopman Operator Framework for Time Series Modeling and Analysis. Journal of Nonlinear Science, 2020, 30, 1973-2006.	1.0	27
2144	Enforcing Passivity of Parameterized LTI Macromodels via Hamiltonian-Driven Multivariate Adaptive Sampling. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 225-238.	1.9	17
2145	Factorizationâ€based frequencyâ€weighted optimal Hankelâ€norm model reduction. Asian Journal of Control, 2020, 22, 2106-2118.	1.9	10
2146	A Methodology for Identifying Phenomenologicalâ€Based Models using a Parameter Hierarchy. Canadian Journal of Chemical Engineering, 2020, 98, 213-224.	0.9	3
2147	Frequency Limited Model Reduction Techniques for Discrete-Time Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 345-349.	2.2	11
2148	A tangential method for the balanced truncation in model reduction. Numerical Algorithms, 2020, 83, 629-652.	1.1	1
2149	Decentralized Control of Large-Scale Systems. , 2020, , .		18
2150	System Theory of Continuous Time Finite Dimensional Dynamical Systems. Studies in Systems, Decision and Control, 2020, , .	0.8	0

#	Article	IF	CITATIONS
2151	Model Reduction Concepts and Substructuring Approaches for Linear Systems. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2020, , 25-73.	0.3	1
2152	Experimental-Numerical Comparison of Contact Nonlinear Dynamics Through Multi-level Linear Mode Shapes. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 263-271.	0.3	2
2153	A new soft computing approach for order diminution of interval system. International Journal of Systems Assurance Engineering and Management, 2020, 11 , 366-373.	1.5	7
2154	Data-driven constrained optimal model reduction. European Journal of Control, 2020, 53, 68-78.	1.6	5
2155	Iterative-learning procedures for nonlinear-model-order reduction in discrete time. IMA Journal of Mathematical Control and Information, 2020, 37, 953-986.	1.1	1
2156	Geometric Programming for Optimal Positive Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 4648-4663.	3.6	26
2157	Subspace Identification of Closed-loop Errors-in-variables Systems. , 2020, , .		1
2158	On the order reduction of MIMO large-scale systems using block-roots of matrix polynomials. International Journal of Computer Aided Engineering and Technology, 2020, 12, 157.	0.1	0
2159	Sampling-free model reduction of systems with low-rank parameterization. Advances in Computational Mathematics, 2020, 46, 1 .	0.8	2
2160	Robust over finite frequency ranges H _{â^ž model reduction for uncertain 2D continuous systems. International Journal of System of Systems Engineering, 2020, 10, 108.}	0.4	3
2161	Model Reduction Using the Balanced Truncation Method and the Padé Approximation Method. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2022, 39, 257-269.	2.1	15
2162	Error Estimation Method of Reduced-Order Small-Signal Model for Multiterminal DC Distribution Network. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7212-7222.	3.7	6
2163	Asymptotic stability analysis and model reduction for spatially interconnected time-delay systems. Journal of the Franklin Institute, 2020, 357, 12670-12699.	1.9	7
2164	The Model Order Reduction Method as an Effective Way to Implement GPC Controller for Multidimensional Objects. Algorithms, 2020, 13, 178.	1.2	3
2165	Hâ^ž Model Reduction of Spatially Interconnected Systems with Finite Frequency Specifications. , 2020, , .		0
2166	Systematic complexity reduction of wave-to-wire models for wave energy system design. Ocean Engineering, 2020, 217, 107651.	1.9	12
2167	Uniformly Stable Parameterized Macromodeling Through Positive Definite Basis Functions. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1782-1794.	1.4	10
2168	The Potential of Hybrid Mechanistic/Dataâ€Driven Approaches for Reduced Dynamic Modeling: Application to Distillation Columns. Chemie-Ingenieur-Technik, 2020, 92, 1910-1920.	0.4	11

#	Article	IF	Citations
2169	Direct approximation of fractional order systems as a reduced integer/fractional-order model by genetic algorithm. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	8
2170	Modal-Based Nonlinear Estimation and Control for Highly Flexible Aeroelastic Systems. , 2020, , .		0
2172	Hankel-norm approximation of large-scale descriptor systems. Advances in Computational Mathematics, 2020, 46, 1.	0.8	7
2173	Hankel Norm Model Reduction of Discrete-Time Interval Type-2 T–S Fuzzy Systems With State Delay. IEEE Transactions on Fuzzy Systems, 2020, 28, 3276-3286.	6.5	7
2174	Hankel-Norm-Based Model Reduction for Stochastic Discrete-Time Nonlinear Systems in Interval Type-2 Tâ€"S Fuzzy Framework. IEEE Transactions on Cybernetics, 2021, 51, 4934-4943.	6.2	14
2175	An <mml:math altimg="si197.svg" display="inline" id="d1e312" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>Tbound for time-limited balanced truncation. Systems and Control Letters, 2020, 136, 104620.</mml:mi></mml:mrow></mml:msubsup></mml:math>	m ind :mi><	/n 7 ml:mrov/:
2176	Model order reduction of interval systems using an arithmetic operation. International Journal of Systems Science, 2020, 51, 886-902.	3.7	12
2177	Model Reduction Methods for Complex Network Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2021, 4, 425-453.	7.5	17
2179	Numerical computation and new output bounds for time-limited balanced truncation of discrete-time systems. Linear Algebra and Its Applications, 2021, 623, 367-397.	0.4	9
2180	A novel order reduction method for linear dynamic systems and its application for designing of PID and lead/lag compensators. Transactions of the Institute of Measurement and Control, 2021, 43, 1226-1238.	1.1	12
2181	Data-based model reduction for phase change problems with convective heat transfer. Applied Thermal Engineering, 2021, 184, 116228.	3.0	6
2182	Intelligent Algorithms for Analysis and Control of Dynamical Systems. Algorithms for Intelligent Systems, 2021, , .	0.5	7
2183	A Critical Exposition of Model Order Reduction Techniques: Application to a Slewing Flexible Beam. Archives of Computational Methods in Engineering, 2021, 28, 31-52.	6.0	3
2184	Proof of Concept for a Hardware-in-the-Loop Nonlinear Control Framework for Very Flexible Aircraft., 2021,,.		3
2185	Comparing (Empirical-Gramian-Based) Model Order Reduction Algorithms. International Series of Numerical Mathematics, 2021, , 141-164.	1.0	4
2186	On Extended Model Order Reduction for Linear Time Delay Systems. International Series of Numerical Mathematics, 2021, , 191-215.	1.0	1
2187	Revisiting Ho–Kalman-Based System Identification: Robustness and Finite-Sample Analysis. IEEE Transactions on Automatic Control, 2022, 67, 1914-1928.	3.6	13
2188	Time Restricted Balanced Truncation forÂlndex-I Descriptor Systems with Non-homogeneous Initial Condition. Algorithms for Intelligent Systems, 2021, , 179-190.	0.5	2

#	Article	IF	Citations
2189	MORLABâ€"The Model Order Reduction LABoratory. International Series of Numerical Mathematics, 2021, , 393-415.	1.0	6
2190	Model Order Reduction: Techniques and Tools. , 2021, , 1227-1234.		O
2191	Mixed Positive-Bounded Balanced Truncation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, , 1-1.	2.2	4
2192	A Balanced Mode Decomposition Approach for Equation-Free Reduced-Order Modeling of LPV Aeroservoelastic Systems., 2021,,.		0
2193	A model reduction method in large scale dynamical systems using an extended-rational block Arnoldi method. Journal of Applied Mathematics and Computing, 2022, 68, 271-293.	1.2	5
2194	In Between the $\$LQG/H_{2}$ - and $\$H_{infty}$ \$\$-Control Theories. Automation and Remote Control, 2021, 82, 565-618.	0.4	5
2195	A novel improved hybrid approach for order reduction of high order physical systems. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	3
2196	Model-based control design for <mml:math altimg="si5.svg" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> purity regulation in high-pressure alkaline electrolyzers, lournal of the Franklin Institute, 2021, 358, 4373-4392.	1.9	7
2197	The role of the state in model reduction with subspace and POD-based data-driven methods., 2021,,.		0
2198	Model Order Reduction Algorithm Based on Preserving Dominant Poles. International Journal of Control, Automation and Systems, 2021, 19, 2047-2058.	1.6	2
2199	Design Low-Order Robust Controller for Self-Balancing Two-Wheel Vehicle. Mathematical Problems in Engineering, 2021, 2021, 1-22.	0.6	1
2200	Mesoscopic and multiscale modelling in materials. Nature Materials, 2021, 20, 774-786.	13.3	155
2201	Model Order Reduction of Positive Real Systems Based on Mixed Gramian Balanced Truncation with Error Bounds. Circuits, Systems, and Signal Processing, 2021, 40, 5309-5327.	1.2	7
2202	Model Reduction by Moment Matching for Convergent Lur'e-Type Models. , 2021, , .		2
2203	On enforcing stability for data-driven reduced-order models. , 2021, , .		3
2204	Reduced model of boundary value dynamics of 1D diffusion - application to heat conduction. , 2021, , .		1
2205	Aeroelastic Control and Estimation with a Minimal Nonlinear Modal Description. AIAA Journal, 2021, 59, 2697-2713.	1.5	15
2206	Residue grouping order reduction method in solid-phase lithium-ion battery models. Journal of Applied Electrochemistry, 2021, 51, 1635-1649.	1.5	4

#	Article	IF	CITATIONS
2207	Balanced truncation for model reduction of biological oscillators. Biological Cybernetics, 2021, 115, 383-395.	0.6	0
2208	The balanced mode decomposition algorithm for data-driven LPV low-order models of aeroservoelastic systems. Aerospace Science and Technology, 2021, 115, 106821.	2.5	11
2209	Model reduction of dominant feedback systems. Automatica, 2021, 130, 109695.	3.0	6
2210	HSH-norm optimal MOR for the MIMO linear time-invariant systems on the Stiefel manifold. International Journal of Control, 0, , 1-9.	1.2	O
2211	Model Reduction Hâ^ž Finite Frequency of Takagi-Sugeno Fuzzy Systems. Advances in Science, Technology and Engineering Systems, 2021, 6, 53-58.	0.4	0
2212	Global heuristic methods for reduced-order modelling of fractional-order systems in the delta domain: a unified approach. Ricerche Di Matematica, 0, , 1.	0.6	7
2213	State estimation concept for a nonlinear melting/solidification problem of a latent heat thermal energy storage. Computers and Chemical Engineering, 2021, 153, 107444.	2.0	9
2214	Control of differential-drive mobile robots for soft object deformation. ISA Transactions, 2021, 117, 221-233.	3.1	9
2215	Finite frequency model reduction for 2-D fuzzy systems in FM model. E3S Web of Conferences, 2021, 297, 01035.	0.2	0
2216	A New Passivity Preserving Model Order Reduction Method: Conic Positive Real Balanced Truncation Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2945-2953.	5.9	12
2217	Gramians, Energy Functionals, and Balanced Truncation for Linear Dynamical Systems With Quadratic Outputs. IEEE Transactions on Automatic Control, 2022, 67, 886-893.	3.6	7
2218	Study on Model Reduction Algorithm Based on Schur Analysis. Advances in Intelligent Systems and Computing, 2021, , 179-188.	0.5	1
2219	Nonlinear Model Reduction in the Loewner Framework. IEEE Transactions on Automatic Control, 2021, 66, 5711-5726.	3.6	13
2220	H2 purity control of high-pressure alkaline electrolyzers. IFAC-PapersOnLine, 2021, 54, 109-114.	0.5	4
2221	Model Reduction Based on Spectral Projection Methods. , 2005, , 5-48.		34
2222	Smith-Type Methods for Balanced Truncation of Large Sparse Systems. , 2005, , 49-82.		17
2223	Balanced State Representations with Polynomial Algebra. , 2003, , 345-357.		5
2224	Interpolatory Model Reduction of Large-Scale Dynamical Systems. , 2010, , 3-58.		98

#	Article	IF	CITATIONS
2225	Control Theory for Linear Systems. Communications and Control Engineering, 2001, , .	1.0	364
2227	On the robustness of stable discrete time linear systems. , 1991, , 393-400.		8
2228	The Use of Model Reduction via Balanced Realizations in the Description of Ship Motion. , 1991 , , $409-416$.		1
2229	Nonlinear H â^ž Control Theory: A Literature Survey. , 1990, , 1-12.		6
2230	Weighted Approximation Techniques and Their Applications in Controller Reduction. The IMA Volumes in Mathematics and Its Applications, 1995, , 175-207.	0.5	3
2232	Krylov Subspace and Balanced Truncation Methods for Power System Model Reduction. Power Electronics and Power Systems, 2013, , 119-142.	0.6	3
2233	Automated Modal Analysis Based on Frequency Response Function Estimates. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 9-18.	0.3	3
2234	The Modal Observability Correlation as a Modal Correlation Metric. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 487-494.	0.3	7
2235	A Metric for Modal Truncation in Model Reduction Problems Part 1: Performance and Error Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 781-788.	0.3	6
2238	Model Reduction Software in the SLICOT Library. , 2001, , 239-282.		34
2239	Approximation of Hankel Operators: Truncation Error in an H \hat{a} Design Method. The IMA Volumes in Mathematics and Its Applications, 1990, , 115-137.	0.5	2
2240	Model Realizations and Reduction. Texts in Applied Mathematics, 2000, , 137-172.	0.4	2
2241	Modelling and Model Reduction–State-Space Truncation. , 2007, , 99-122.		1
2242	Realization and Interpolation of Rational Matrix Functions. Operator Theory: Advances and Applications, 1988, , 1-72.	0.2	20
2243	Inverse Spectral Problems for Regular Improper Rational Matrix Functions. Operator Theory: Advances and Applications, 1988, , 123-173.	0.2	13
2244	Unitary Rational Matrix Functions. Operator Theory: Advances and Applications, 1988, , 175-222.	0.2	71
2247	Shifts, Realizations and Interpolation, Redux. , 1994, , 182-243.		11
2248	Two-Sided Tangential Interpolation of Real Rational Matrix Functions. , 1993, , 73-102.		7

#	Article	IF	CITATIONS
2249	The Exact H2 Estimate for the Central Hâ^ž Interpolant. , 1993, , 119-156.		5
2250	Coisometically Valued Rational Matrix Functions. , 1995, , 1-20.		1
2251	Shift Invariant Subspaces, Passivity, Reproducing Kernels and H â^ž-Optimization. , 1988, , 265-310.		13
2252	Case Study: Parametrized Reduction Using Reduced-Basis and the Loewner Framework. , 2014, , 51-66.		1
2255	Reduced Order Models for Systems with Disparate Spatial and Temporal Scales. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 447-455.	0.3	8
2256	Interpolatory Methods for \$\$mathcal{H}_{infty}\$\$ Model Reduction of Multi-Input/Multi-Output Systems. Modeling, Simulation and Applications, 2017, , 349-365.	1.3	2
2257	A Balanced Model Reduction for T-S Fuzzy Systems with Uncertain Time Varying Parameters. Lecture Notes in Computer Science, 2004, , 148-153.	1.0	4
2258	Domain Decomposition and Model Reduction of Systems with Local Nonlinearities. , 2008, , 389-396.		3
2259	Reduced Order Modeling of Nonlinear Control Systems. , 2008, , 41-62.		7
2260	Introduction to Model Order Reduction. Mathematics in Industry, 2008, , 3-32.	0.1	80
2261	Singular Value Analysis and Balanced Realizations for Nonlinear Systems. Mathematics in Industry, 2008, , 251-272.	0.1	9
2262	Model Reduction of Interconnected Systems. Mathematics in Industry, 2008, , 305-321.	0.1	35
2263	A Survey on Model Reduction of Coupled Systems. Mathematics in Industry, 2008, , 133-155.	0.1	25
2265	Optimisation and Linear Control of Large Scale Nonlinear Systems: A Review and a Suite of Model Reduction-Based Techniques. Lecture Notes in Computational Science and Engineering, 2011, , 37-61.	0.1	10
2266	Linear System Identification — A Survey. , 1989, , 1-25.		8
2267	A Guide To Hâ^ž- Control Theory. , 1987, , 1-30.		2
2268	Nonlinear Interpolation Theory in Hâ^ž., 1987,, 31-46.		6
2269	Sensitivity Minimization as a Nevanlinna-Pick Interpolation Problem. , 1987, , 451-462.		3

#	Article	IF	Citations
2270	Super-optimal Hankel norm approximations. , 1987, , 47-56.		3
2271	Hankel Norm Approximation for Infinite Dimensional Systems and Wiener-Hopf Factorization. , 1987, , 57-69.		11
2272	Bounds on the Achievable Accuracy in Model Reduction. , 1987, , 95-118.		14
2274	Geometric Methods for State Space Identification. , 1996, , 1-69.		22
2275	Balanced Canonical Forms. , 1996, , 120-183.		9
2276	Order Reduction of Interval Systems Using Alpha and Factor Division Method. Lecture Notes in Electrical Engineering, 2013, , 249-259.	0.3	6
2278	Balancing-Related Model Reduction of Circuit Equations Using Topological Structure. Lecture Notes in Electrical Engineering, 2011, , 53-83.	0.3	12
2279	On the Use of the Carathéodory-Fejér Method for Investigating â€~1/9' and Similar Constants. , 1988, , 105-132.		10
2280	Asymptotics and Super Asymptotics for Best Rational Approximation Error Norms to the Exponential Function (The â€~1/9' Problem) by the Carathéodory-Fejér Method., 1994,, 173-185.		7
2281	Model Reduction of Large-Scale Systems Rational Krylov Versus Balancing Techniques. , 1999, , 177-190.		13
2282	Intelligent Process Control with Supervisory Knowledge-Based Systems., 1997,, 139-171.		7
2284	On the hamiltonian structure in the computation of singular values for a class of Hankel operators. Lecture Notes in Mathematics, 1991, , 250-276.	0.1	7
2285	Nehari interpolation problem for rational matrix functions: The generic case. Lecture Notes in Mathematics, 1991, , 277-308.	0.1	1
2286	Linear Controller Approximation: A Method with Bounds. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1985, 18, 63-67.	0.4	2
2287	A TUTORIAL ON LOOP SHAPING USING H-INFINITY ROBUST STABILIZATION., 1991,, 117-126.		2
2288	WEIGHTING FUNCTION SELECTION IN Hâ^ž DESIGN. , 1991, , 127-132.		5
2289	LOW-ORDER ROBUST MODEL MATCHING CONTROLLER DESIGN FOR SISO PLANTS., 1991,, 191-196.		1
2290	Hâ^ž Super-Optimal Solutions. Control and Dynamic Systems, 1992, , 183-246.	0.1	2

#	Article	IF	CITATIONS
2291	Balanced Systems and Structures: Reduction, Assignment, and Perturbations. Control and Dynamic Systems, 1992, 54, 373-415.	0.1	2
2292	Techniques in Optimized Model Reduction for High Dimensional Systems. Control and Dynamic Systems, 1993, 55, 51-109.	0.1	8
2293	Process Identification - Past, Present, Future. , 1987, , 79-104.		6
2294	Model reduction by balanced truncation of dominant Lure systems. IFAC-PapersOnLine, 2020, 53, 5617-5622.	0.5	1
2296	A converse to a theorem of Adamyan, Arov and Krein. Journal of the American Mathematical Society, 1999, 12, 305-333.	1.9	3
2297	Reduction of model sets with inclusion., 0,,.		4
2298	MULTIOBJECTIVE CONTROL SYSTEM DESIGN — A MIXED OPTIMIZATION APPROACH. , 1995, , 467-482.		2
2299	Rational Transfer Function Approximation. Statistical Science, 1987, 2, .	1.6	54
2300	Frequency-weighted Model Reduction Using Firefly Algorithm. Journal of Automation and Control Engineering, 2015, 3, 222-227.	0.3	3
2302	11 Reduced-order modeling of large-scale network systems. , 2020, , 345-378.		1
2303	Order Reduction for Large-Scale Finite Element Models: A Systems Perspective. International Journal for Multiscale Computational Engineering, 2005, 3, 337-362.	0.8	12
2304	Adaptive rational block Arnoldi methods for model reductions in large-scale MIMO dynamical systems. New Trends in Mathematical Sciences, 2016, 4, 227-227.	0.1	3
2307	Optimal Hankel Norm Model Reduction By Truncation Of Trajectories. SSRN Electronic Journal, 0, , .	0.4	1
2309	Mixed method of model reduction for uncertain systems. Serbian Journal of Electrical Engineering, 2007, 4, 1-12.	0.2	26
2310	EVENLY DISTRIBUTED RC INTERCONNECT ELO MODEL SIMPLIFICATION AND ITS SIMULATION. International Journal of Modelling and Simulation, 2007, 27, .	2.3	5
2311	On Model Reduction in System Identification. , 1986, , .		17
2312	ARMA Spectral Estimation via Model Reduction. , 1986, , .		1
2313	Multiplicative approximation of linear multivariable systems with Lâ´ž error bounds. , $1986, , .$		25

#	Article	IF	CITATIONS
2314	Adaptive Robust Control: A New Approach. , 1988, , .		15
2315	Modelling and Identification for Robust Control of Ill-Conditioned Plants - a Distillation Case Study. , 1991, , .		8
2316	A new representation of Hâ^ž suboptimal controllers. , 1992, , .		11
2317	An Extension of A-A-K Hankel Approximation Theory Using State-Space Formulation., 1993,,.		2
2318	Can any reduced order model be obtained via projection?. , 2004, , .		2
2319	Balanced truncation of spatially distributed nonstationary LPV systems. , 2017, , .		1
2320	An optimal model approximation scheme for linear time-invariant behaviors., 1999,,.		2
2321	Recursive low rank Hankel approximation and model reduction. , 2003, , .		2
2322	Singular perturbation approximation of semistable linear systems. , 2013, , .		3
2323	Hierarchical mathematical models of complex plants on the basis of power boiler example. Archives of Control Sciences, 2010, 20, .	1.7	5
2324	Optimal Projection Approach To Robust Fixed-Structure Control Design. , 1990, , 237-293.		1
2325	Overlapping decomposition and expansion of mechanical system. , 1988, , .		4
2326	Reduction of Large-Scale Dynamical Systems by Extended Balanced Singular Perturbation Approximation. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 939-956.	0.4	7
2327	Linear prediction: mathematics and engineering. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1994, 1, .	0.1	4
2328	Screening, Isolation and Characterization of a Novel Antimicrobial Producing Actinomycete, Strain RAF10. Biotechnology, 2007, 6, 489-496.	0.5	22
2329	Optimal control of multiscale systems using reduced-order models. Journal of Computational Dynamics, 2014, 1, 279-306.	0.4	12
2330	Bounded real and positive real balanced truncation for infinite-dimensional systems. Mathematical Control and Related Fields, 2013, 3, 83-119.	0.6	2
2331	Model reduction techniques with a-posteriori error analysis for linear-quadratic optimal control problems. Numerical Algebra, Control and Optimization, 2012, 2, 465-485.	1.0	10

#	Article	IF	Citations
2332	Balancing based model reduction for structured index-2 unstable descriptor systems with application to flow control. Numerical Algebra, Control and Optimization, 2016, 6, 1-20.	1.0	28
2333	The Control of Vibration Transmission from an Engine to its Resonant Base Structure. Journal of Marine Science: Research & Development, 2011, 02, .	0.4	1
2334	New Schemes for Positive Real Truncation. Modeling, Identification and Control, 2007, 28, 53-65.	0.6	5
2335	Reduction of discrete interval system using clustering of poles with Padé approximation: a computer-aided approach. International Journal of Engineering, Science and Technology, 2018, 4, 97-105.	0.3	10
2336	Model Order Reduction of Interval Systems using Mihailov Criterion and Factor Division Method. International Journal of Computer Applications, 2011, 28, 8-12.	0.2	30
2337	Basic principles and aims of model order reduction in compliant mechanisms. Mechanical Sciences, 2011, 2, 197-204.	0.5	3
2341	Model Reduction for Unstable Systems via Interpolation. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1070-1079.	0.1	1
2342	A New Algorithm for Model Order Reduction of Interval Systems. Bonfring International Journal of Data Mining, 2013, 3, 06-11.	0.4	40
2343	Design Low Order Robust Controller for the Generator's Rotor Angle Stabilization PSS System. Emerging Science Journal, 2021, 5, 598-618.	1.4	1
2344	A Pad \tilde{A} ©-based fast frequency sweep approach for irregular large-scale building models subjected to seismic excitation. Structures, 2021, 34, 4376-4388.	1.7	5
2345	A Method of Model Matching Control for Continuous-Time Systems in the Presence of Arbitrarily Bounded Disturbances. IEEJ Transactions on Electronics, Information and Systems, 2000, 120, 1665-1672.	0.1	1
2346	Formulas for Singular Values of Hankel Operators and Mixed Hankel-Toeplitz Operators Using Lifting Technique on the Left Shift Invariant Subspace. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 780-788.	0.1	0
2347	On Interpolation Problems in the Complex Right Half Plane. , 2000, , 255-267.		0
2348	On the Closed-Loop Structure of H^ ^infin; Control Systems. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 1093-1100.	0.1	0
2350	Weighted Nevanlinna-Pick Interpolation., 2001,, 247-274.		0
2351	On the Optimal Control Systems with Multiple Controllers. Applied Optimization, 2001, , 105-124.	0.4	0
2352	Cheap Control Fundamental Limitations: The Linear Time-Varying Case., 2001,, 245-266.		0
2353	Fatigue-mitigating controller design for a slender flexible antenna. , 2001, , .		0

#	Article	IF	CITATIONS
2354	On computing the H <inf>\hat{a}^z</inf> -norm of a polynomial matrix fraction. , 2001, , .		0
2355	Enhanced Services for Remote Model Reduction of Large-Scale Dense Linear Systems. Lecture Notes in Computer Science, 2002, , 329-338.	1.0	3
2358	Remote Parallel Model Reduction of Linear Time-Invariant Systems Made Easy. Lecture Notes in Computer Science, 2003, , 255-268.	1.0	0
2359	Highlights in Physical Simulation and Analysis at ICCAD. , 2003, , 367-381.		O
2360	Solutions to Nehari and Hankel approximation problems using orthonormal rational functions. , 2004, , .		0
2361	Robust robust model reduction. , 2004, , .		0
2363	Computer Algorithms. , 2004, , 133-138.		0
2364	Piloted Aircraft Performance. , 2004, , 155-164.		0
2365	Robustness Analysis Via Simplicial Algorithms. , 2004, , 41-51.		0
2366	A Balanced Model Reduction for Fuzzy Systems with Time Varying Delay. International Journal of Fuzzy Logic and Intelligent Systems, 2004, 4, 1-6.	0.6	0
2368	Reduced Order Models for Eigenvalue Problems. Mathematics in Industry, 2006, , 189-193.	0.1	0
2369	A Balanced Model Reduction for Uncertain Nonlinear Systems. Journal of Korean Institute of Intelligent Systems, 2006, 16, 144-149.	0.0	0
2370	A Fractional Model Reduction for T-S Fuzzy Systems with State Delay. International Journal of Fuzzy Logic and Intelligent Systems, 2006, 6, 184-189.	0.6	0
2372	Robust stabilisation of multivariable systems under co-prime factor perturbations: Directionality and super-optimisation., 2007,,.		0
2373	Continuous-time Model Identification Using Spectrum Analysis with Passivity-preserving Model Reduction. Advances in Industrial Control, 2008, , 393-408.	0.4	0
2374	PMTBR: A Family of Approximate Principal-components-like Reduction Algorithms. Mathematics in Industry, 2008, , 111-132.	0.1	3
2375	An Artificial Immune Dynamical System for Optimization. , 2009, , 49-75.		0
2377	A state observer for multimachine power systems based on model reduction by moment matching. , 2009, , .		0

#	Article	IF	CITATIONS
2378	On the Use of Functional Models in Model Reduction. Lecture Notes in Control and Information Sciences, 2010, , 177-187.	0.6	1
2379	Efficient Model Reduction for the Control of Large-Scale Systems. , 2010, , 59-72.		1
2381	Balanced Realizations, Model Order Reduction, and the Hankel Operator. The Electrical Engineering Handbook, 2010, , 4-1-4-24.	0.2	0
2382	An Approach to Nonlinear Balancing and MOR. Lecture Notes in Electrical Engineering, 2011, , 303-315.	0.3	1
2384	Robust Multivariable Control of Ill-Conditioned Plants $\hat{a} \in \text{``A Case Study for High-Purity Distillation.'}, 0, , .$		1
2385	Statistical Power Grid Analysis by Variational Subspace Method. , 2012, , 145-159.		0
2386	Model Reduction of Dynamical Networks Based on Cluster Controllability. Transactions of the Society of Instrument and Control Engineers, 2012, 48, 589-598.	0.1	0
2387	Multiscale and Multiphysics Aspects in Modeling and Simulation of Surface Acoustic Wave Driven Microfluidic Biochips. , 2012, , 104-130.		0
2388	Model Reduction with Time Delay Combining Least-Squares Method with Artificial Bee Colony Algorithm. Journal of Signal Processing, 2013, 17, 189-198.	0.2	1
2389	Flight Control Law Design for Asymmetrical General Aviation Aircraft. Frontiers in Aerospace Engineering, 2013, 2, 258.	0.8	0
2390	Algebraic Riccati Equations and Spectral Factorizations. Advances in Industrial Control, 2014, , 171-209.	0.4	0
2392	DEVELOPMENTS IN COMPUTER AIDED CONTROL SYSTEM DESIGN. , 1986, , 397-410.		0
2393	Robust Stabilizability of Repetitive Control Systems. Transactions of the Society of Instrument and Control Engineers, 1987, 23, 920-927.	0.1	0
2394	Some Min-Max Optimization Problems in Infinite-Dimensional Control Systems. , 1987, , 399-413.		0
2395	An Application of Hâ^ž â€" Design and Some Computational Improvements. , 1987, , 305-322.		2
2396	REALIZATION ALGORITHM FOR TIME-VARYING SYSTEMS. , 1987, , 67-72.		0
2397	Some New Results on and Applications of an Algorithm of Agashe. , 1987, , 285-303.		1
2398	Order Reduction of Feedback Systems by Balanced Realization. Transactions of the Society of Instrument and Control Engineers, 1988, 24, 314-316.	0.1	0

#	Article	IF	CITATIONS
2399	Once Again: The Adamjan-Arov-Krein Approximation Theory. , 1988, , 77-91.		1
2400	Frequency Weighting for Low-Order Decentralized Control of Large Space Structures. , 1988, , 1251-1255.		0
2401	Finite Representations of Block Hankel Operators and Balanced Realizations., 1988,, 441-480.		2
2402	ã,°ãf©ãf•ä½ç¸ã§ã®åŽæŸã«ã醫¸ã┥. Transactions of the Institute of Systems Control and Information Engineers, I	19 8.9 , 2, 1	14b143.
2403	Parametrization of H^ ^infin; Sub-Optimal Compensators. Transactions of the Society of Instrument and Control Engineers, 1989, 25, 1178-1185.	0.1	0
2404	Nehari Interpolation Problem. , 1990, , 434-456.		0
2405	Vector Interpolation, Hâ^ž Control and Model Reduction. , 1990, , 285-292.		0
2406	INTERPOLATION IN CONTROL SYSTEMS. , 1990, , 279-283.		0
2407	INPUT–OUTPUT APPROXIMATIONS OF DYNAMICAL SYSTEMS. , 1990, , 137-142.		0
2408	Super-Optimal H â^ž Design. , 1990, , 339-346.		1
2409	Model Reduction., 1990,, 533-546.		0
2410	Interpolation Aproach To the Hâ^ž Filter Problem. , 1990, , 387-395.		0
2411	ON-LINE IDENTIFICATION OF THE STATE OF THE SURFACE OF A MATERIAL UNDERGOING THERMAL PROCESSING. , 1990, , 209-213.		0
2412	STABILITY AND STRUCTURAL PROPERTIES OF INFINITE DIMENSIONAL BALANCED REALIZATIONS. , 1990, , 103-109.		0
2413	Feedback with Delays: Stabilization of Linear Time-Delay and Two-Dimensional Systems. The IMA Volumes in Mathematics and Its Applications, 1990, , 155-193.	0.5	1
2415	A Control System Design Methodology for Large-Scale Interconnected Systems. , 1990, , .		3
2417	Algebraic Methods in System Theory. , 1991, , 233-265.		5
2418	FUTURE DIRECTIONS IN Hâ^ž ROBUST CONTROL THEORY. , 1991, , 171-175.		0

#	Article	IF	CITATIONS
2419	On Balancing and Hankel Operators. , 1991, , 145-154.		0
2420	A DEGREE BOUND OF THE Hâ´ž-OPTIMAL SOLUTIONS OF THE ROBUST REGULATOR PROBLEM. , 1991, , 133-138.		O
2421	The State Space Method in the Study of Interpolation by Rational Matrix Functions. , 1991, , 503-508.		3
2422	Functional Learning in Optimal Non-linear Control., 1991, , .		1
2423	On Automatic Control of Aeroelastic Vehicles. , 1991, , .		1
2424	Relative-error H _{â^ž} identification. , 1991, , .		0
2425	Parametrization of all optimal solutions for 2-block H ^{â^ž} control problem., 1991,,.		1
2426	NECESSARY AND SUFFICIENT CONDITIONS FOR OPTIMAL FIXED-ORDER DYNAMIC COMPENSATION OF LINEAR DISCRETE-TIME SYSTEMS11This work was sponsored by the Dutch Technology Foundation (STW) under grant DWI 77.1397, 1992, , 519-524.		0
2427	CONTROLLER DESIGN IN PACKED BED DISTILLATION PROCESSES. , 1992, , 197-202.		0
2428	Loop Shaping Based H.INF. Robust Control of a Horizontal Shaft Magnetic Bearing IEEJ Transactions on Industry Applications, 1992, 112, 1200-1206.	0.1	1
2429	H â^ž-Optimization and System Reduction for MIMO Systems. Springer Series in Information Sciences, 1992, , 208-246.	1.3	0
2430	Construction of Optimal Hankel Approximations in the Guise of Stochastic Processes., 1992,, 77-98.		0
2431	OUTPUT-FEEDBACK CONTROL OF A HYDRAULIC DRIVE USING BALANCED MODEL REDUCTION DESIGN METHOD. , 1992, , 547-551.		0
2432	TOWARDS A COMPLETE FREQUENCY-DOMAIN DESIGN METHODOLOGY., 1992,, 45-51.		O
2433	ROBUST CONTROL OF A FLEXIBLE WIND TURBINE BASED ON COPRIME FACTORIZATIONS., 1992,, 197-201.		0
2434	Hâ^ž-OPTIMAL ROBUST ASYMPTOTIC REGULATION WITH NICE STABILITY REGION. , 1992, , 233-238.		O
2435	ROBUST OUTPUT REGULATION USING REDUCED-ORDER CONTROLLERS. , 1992, , 251-256.		0
2436	Model Reduction. , 1992, , 11-62.		1

#	Article	IF	CITATIONS
2437	A design framework for telerobotics using the Hâ^ž approach. , 1992, , .		1
2438	Application of Structured Singular Value Synthesis to a Fighter Aircraft. , 1992, , .		4
2439	Refined Hâ^ž controller design for rotorcraft flight control. , 1992, , .		1
2440	Direct State-Space Solutions to the Discrete-Time Hankel Norm Model Reduction Problem. , 1992, , .		2
2441	CONTROLLABILITY OF NET PLASMAS AFTER LOSS OF BETA EVENTS. , 1993, , 623-627.		0
2442	Magnetische Lagerung des elastischen Rotors. , 1993, , 187-200.		1
2443	MODEL REDUCTION IN RECURSIVE LEAST SQUARES IDENTIFICATION. , 1993, , 5-10.		0
2444	On Mixed H2 - Hâ^ž Tangential Interpolation. , 1993, , 157-202.		0
2445	Discrete-Time Hâ^ž Control and Optimization. Control and Dynamic Systems, 1993, 56, 519-567.	0.1	1
2446	2nd-Order Balancing and 2nd-Order Model Reduction. , 1993, , .		1
2447	A Fredholm Equation for the Hankel Singular Values of Systems with Distributed Input Delays. Journal of Integral Equations and Applications, $1993, 5, .$	0.2	1
2448	A non-recursive method for solving the general discrete-time riccati equations related to the Hâ^ž control problem. , 1993, , .		1
2449	Optimal L _{â^ž} approximation of LTI systems. , 1993, , .		2
2450	Computation of the solution for the H _{â^ž} model reduction problem. , 1993, , .		3
2451	Frequency weighted model reduction with Lâ^ž error bounds. , 1993, , .		1
2452	On the Minimality of the Discretized Systems. Transactions of the Society of Instrument and Control Engineers, 1994, 30, 1405-1407.	0.1	0
2453	Technical Preliminaries. Advances in Industrial Control, 1994, , 5-38.	0.4	0
2455	Conservative Dynamical Systems and Nonlinear Livsic-Brodskii Nodes. , 1994, , 67-95.		1

#	Article	IF	CITATIONS
2456	The Bounded Real Characteristic Function and Nehari Extensions. , 1994, , 264-315.		1
2457	Continuous-Time Systems Interpolating 1st-and 2nd-Order Information. Transactions of the Institute of Systems Control and Information Engineers, 1994, 7, 234-236.	0.1	0
2458	Optimality of the Adaptive Controllers. The IMA Volumes in Mathematics and Its Applications, 1995 , , $327-344$.	0.5	0
2459	A Reduction Method of $H^{\ }$ infin; Controller Based on Truncation of Youla Parameter. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1080-1088.	0.1	2
2460	Balanced Parametrizations: A Structure Theory for Identification. Lecture Notes in Statistics, 1996, , 27-41.	0.1	1
2461	Observers for a Generator Shaft. , 1996, , 529-542.		0
2462	Parameter Estimation of Multivariable Systems Using Balanced Realizations. , 1996, , 70-119.		1
2464	Model Reduction Based on Selected Measures of the Output Equation Error. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1996, , 625-633.	0.3	0
2465	Subspace Controller Reduction based on Experimental Data. Transactions of the Institute of Systems Control and Information Engineers, 1996, 9, 420-425.	0.1	0
2466	A Study on the Convergence of the Interpolation Point Augmentation Method for L1 and H^ ^infin; Control Problems. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 792-798.	0.1	0
2468	On Duality between Filtering and Interpolation. , 1997, , 101-136.		7
2469	Modellreduktion und dynamische Beobachter fÃ⅓r Torsionsschwingungen in TurbosÃæen. , 1997, , 491-500.		1
2470	Parameter dependent reduced order estimators. , 1997, , .		0
2471	Problems of Adamjan Arov-Krein type on subsets of the circle. , 1997, , .		0
2472	Optimal H-infinity design of a control system for the angle of attack. , 1997, , .		0
2473	Model Following Control System for Nonminimum Phase Plants Using Taylor's Expansion. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 986-991.	0.1	0
2474	Automatic Structuring of Unknown Dynamic Systems. , 1998, , 410-419.		2
2475	BALANCED REDUCTION OF LINEAR PERIODIC SYSTEMS. , 1999, , .		14

#	Article	IF	CITATIONS
2476	Towards a System Theory for Model Set: Chain-Scattering Approach., 1999,, 135-156.		0
2477	Modified Balanced Truncation of State Delay Systems. Transactions of the Society of Instrument and Control Engineers, 1999, 35, 896-903.	0.1	O
2478	System approximation in the 2-norm. Communications and Control Engineering, 1999, , 11-14.	1.0	0
2479	A Simultaneous Controller Design for Multiple Plants Based on Coprime Factor Representation and LMI Optimization. Transactions of the Society of Instrument and Control Engineers, 1999, 35, 480-488.	0.1	0
2480	Selection of the number of inputs and states. Communications and Control Engineering, 1999, , 115-119.	1.0	0
2481	Model reduction with balanced realization: A new interpretation. , 1999, , .		1
2482	Frequency Weighted Model Reduction Based on LMI. , 2015, , .		0
2485	Load Modeling based on System Identification with Kalman Filtering of Electrical Energy Consumption of Residential Air-Conditioning. International Journal of Advanced Smart Convergence, 2015, 4, 45-53.	0.0	0
2487	AN Hâ´ž DESIGN METHOD FOR THE PITCH ATTITUDE HOLD AUTOPILOT OF A FLYING UAV. Scientific Research and Education in the Air Force, 2016, 18 , $185-192$.	0.0	0
2489	Reduced-Order Models. , 2018, , 1-38.		1
2490	A Unified Algebraic Approach To Control Design. , 0, , .		336
2491	Robust Synchronization Preserving Model Reduction of Lur'e Networks. , 2018, , .		1
2492	On solutions of bounded-real LMI for singularly bounded-real systems. , 2018, , .		0
2494	Order reduction of hierarchical interconnected dynamical systems. Advances in Radio Science, 0, 16, 89-97.	0.7	0
2495	Model Order Reduction: Techniques and Tools. , 2019, , 1-8.		0
2496	Properties of the Quasi L2/L2 Hankel Norms and the L2/L2 Hankel Operator of Sampled-Data Systems*. , 2019, , .		0
2498	A Survey on \$\$ H_{infty} \$\$ Control Techniques. Lecture Notes in Electrical Engineering, 2020, , 797-804.	0.3	0
2499	Hava Taşıt Modeli İçin Belirlenen Bant Genişliğinde Model İndirgeme Tekniklerinin Karşılaştırı Journal of Science and Engineering, 0, , .	⊧lması. E 0.1	l-Cezeri 0

#	ARTICLE	IF	CITATIONS
2500	Comparative Analysis of Different Balanced Truncation Techniques of Model Order Reduction. Advances in Intelligent Systems and Computing, 2021, , 453-463.	0.5	0
2501	Online Estimation of the Loewner Matrices. , 2020, , .		1
2502	In search of frequency-limited low-rank Gramian factors for the balancing based model reduction of large-scale sparse descriptor system. , 2020, , .		1
2503	On wellâ€definability of the Lâ^ž/L2 Hankel operator and detection of all the critical instants in sampledâ€data systems. IET Control Theory and Applications, 2021, 15, 668-682.	1.2	4
2504	A Model-Free Loop-Shaping Method based on Iterative Learning Control. IFAC-PapersOnLine, 2020, 53, 1403-1408.	0.5	2
2505	Loewner Functions for Linear Time-Varying Systems with Applications to Model Reduction. IFAC-PapersOnLine, 2020, 53, 5623-5628.	0.5	8
2506	A time-varying Gramian based model reduction approach for Linear Switched Systems. IFAC-PapersOnLine, 2020, 53, 5629-5634.	0.5	5
2509	Robust Control of a Distillation Column. , 2007, , 289-327.		0
2512	A preliminary investigation of H (infinity) optimization. , 1986, , .		0
2514	Model order reduction of multichannel stable systems. , 0, , .		0
2515	Relating H/sub 2/ and H/sub â^ž/ norm bounds for hybrid systems. , 0, , .		0
2516	An integrated approach to modeling and control of flexible structures via â,,'/sub â^ž/ loopshaping. , 0, , .		2
2517	Digital compensation in IQ modulators. , 0, , .		7
2519	On Hankel Matrix Approximations and Stochastic Model Reduction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1985, 18, 105-107.	0.4	0
2520	A Prospect of Adaptive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 1-4.	0.4	0
2522	Interpolatory Methods for Generic BizJet Gust Load Alleviation Function. SIAM Journal on Applied Dynamical Systems, 2021, 20, 2391-2411.	0.7	7
2523	Extended Balancing of Continuous LTI Systems: A Structure-Preserving Approach. IEEE Transactions on Automatic Control, 2023, 68, 257-271.	3.6	4
2525	Robust Controller Design for Ball Screw Drives with Varying Resonant Mode via \$mu\$-synthesis., 2020,,.		2

#	Article	IF	CITATIONS
2526	Reduced Order Finite Element Model Techniques for Setpoint Control., 2020,,.		0
2527	Development of Frequency Weighted Model Order Reduction Techniques for Discrete-Time One-Dimensional and Two-Dimensional Linear Systems With Error Bounds. IEEE Access, 2022, 10, 15096-15117.	2.6	3
2528	Synergy of ($\$\{ext\{H\}\}_{2}$, $\$\{ext\{H\}\}_{infty}$) norms for nonlinear optimal PEMFC dynamic MIMO model reduction using a novel EAO approach. International Journal of Systems Assurance Engineering and Management, 0, , 1.	1.5	0
2530	Investigation and Implementation of Model Order Reduction Technique for Large Scale Dynamical Systems. Archives of Computational Methods in Engineering, 2022, 29, 3087-3108.	6.0	5
2531	Phase Preserving Balanced Truncation for Order Reduction of Positive Real Systems. Automation, 2022, 3, 84-94.	1.2	1
2533	Model Order Reduction for Water Quality Dynamics. Water Resources Research, 2022, 58, .	1.7	4
2534	Error bounds for model reduction of feedback-controlled linear stochastic dynamics on Hilbert spaces. Stochastic Processes and Their Applications, 2022, 149, 107-141.	0.4	1
2535	Loewner Functions and Model Order Reduction for Nonlinear Input-Affine Descriptor Systems. , 2021, ,		6
2536	Optimal H _{â^ž} LMI-Based Model Reduction by Moment Matching for Linear Time-Invariant Models., 2021,,.		1
2537	Topology optimization of heat exchangers: A review. Energy, 2022, 252, 124053.	4.5	55
2538	The Laplace Transform in Control Theory. , 0, , 193-209.		1
2539	Model Reduction of Strongly Stable Nonstationary LPV Systems. , 0, , 99-118.		0
2540	8 Design for Three-Dimensional Images. , 2006, , 201-214.		0
2542	"Toeplitz + hankel" structures in h ^{â^ž} -design and the avoidance of the "ϵ-iteration"., 1986,,.		2
2543	Optimal Hâ^ž norm computation for MIMO systems with multiple RHP zeros. , 1988, , .		0
2544	Finite Dimensional Controller Design for Infinite Dimensional Systems: A Passivity Approach. , 1989, , .		0
2545	Controller Design by Approximation of Ideal Compensators - A Comparison of Computational Methods. , $1989, \ldots$		0
2547	Linear Inverse Modeling of Large-Scale Atmospheric Flow Using Optimal Mode Decomposition. Journals of the Atmospheric Sciences, 2022, 79, 2181-2204.	0.6	0

#	Article	IF	CITATIONS
2548	Common Structure of Reduced Bases for Aggregation Kinetics Problems of Varying Dimensionality. Computational Mathematics and Mathematical Physics, 2022, 62, 538-547.	0.2	0
2549	Quadrature-Based Approach Used for Improved Fitting of Filter Measured S-parameters. , 2022, , .		0
2550	A linear stochastic emulator of the California Current system using balanced truncation. Ocean Modelling, 2022, 174, 102023.	1.0	2
2552	Extended Differential Balancing for Nonlinear Dynamical Systems. , 2022, 6, 3170-3175.		2
2553	Dynamical Models in Neuroscience From a Closed-Loop Control Perspective. IEEE Reviews in Biomedical Engineering, 2023, 16, 706-721.	13.1	3
2554	Reduced-Order Neural Network Synthesis With Robustness Guarantees. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1182-1191.	7.2	1
2556	Non-intrusive balancing transformation of highly stiff systems with lightly damped impulse response. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	2
2557	Development of Model Reduction Framework for Continuous-Time Weighted and Limited-Interval Systems. Arabian Journal for Science and Engineering, 2022, 47, 14745-14756.	1.7	1
2558	Balanced truncation for reducedâ€order modeling of Piezoelectric Tonpilz Transducer on the limited frequency interval. Applied Mathematical Modelling, 2022, 111, 63-77.	2.2	2
2559	A state-of-the-art survey of model order reduction techniques for large-scale coupled dynamical systems. International Journal of Dynamics and Control, 2023, 11, 900-916.	1.5	7
2560	Three Frequency-limited Balanced Truncation Algorithms: A Comparison and Three Families of Extensions. , 2022, , .		2
2561	Regularization of Underconstrained Interpolants in the Loewner Framework. , 2022, , .		3
2562	Data-Driven Model Reduction by Moment Matching for Linear Systems through a Swapped Interconnection. , 2022, , .		1
2563	A Kernel-Independent Sum-of-Exponentials Method. Journal of Scientific Computing, 2022, 93, .	1.1	1
2564	Active Control with Extensions. , 2022, , 137-175.		0
2565	Quasi L_{2}/L_{2} Hankel Norms and L_{2}/L_{2} Hankel Norm/Operator of Sampled-Data Systems. IEEE Transactions on Automatic Control, 2022, , 1-8.	3.6	3
2566	Reduced-Order Adaptive Output Predictors for a Class of Uncertain Dynamical Systems. , 2022, , .		0
2567	Robust Controller Design for AUV Subsystem Using Âμ Synthesis. IFAC-PapersOnLine, 2022, 55, 211-216.	0.5	O

#	Article	IF	CITATIONS
2568	Cross-Gramian-Based Model Reduction for Descriptor Systems. Symmetry, 2022, 14, 2400.	1.1	0
2569	Positivity-Preserving Hâ^ž Model Reduction for Discrete-Time Positive Systems via a Successive Convex Optimization Algorithm. Applied Sciences (Switzerland), 2022, 12, 12277.	1.3	0
2570	Robust State-Feedback $\mbox{mathbf{H}_{infty}}\$ Control of Quadrotor. , 2022, , .		0
2571	The Application of LQG Balanced Truncation Algorithm to the Digital Filter Design Problem. Engineering, Technology & Applied Science Research, 2022, 12, 9458-9463.	0.8	0
2572	A Hilbert space approach to singularities of functions. Journal of Functional Analysis, 2023, 284, 109826.	0.7	1
2573	Inner-Outer Decomposition for Strictly Proper Linear Time Invariant Systems and Non-Minimum Phase Performance Limitations., 2022,,.		1
2577	Hâ^ž-norm evaluation for a transfer matrix via bisection algorithm. Thermal Science, 2022, 26, 745-751.	0.5	1
2578	From Data to Reduced-Order Models via Generalized Balanced Truncation. IEEE Transactions on Automatic Control, 2023, 68, 6160-6175.	3.6	6
2579	Order Reduction of Large-Scale Linear Dynamic Systems Using Balanced Truncation with Modified Cauer Continued Fraction. IETE Journal of Education Online, 2023, 64, 86-97.	0.7	5
2580	Structure-preserving generalized balanced truncation for nonlinear port-Hamiltonian systems. Systems and Control Letters, 2023, 174, 105501.	1.3	0
2581	A Fast Frequency Sweep approach for performance-based optimization of earthquake-resistant irregular large-scale buildings. Engineering Structures, 2023, 285, 116094.	2.6	2
2583	LQG control for hydrodynamic compensation on large floating wind turbines. Renewable Energy, 2023, 205, 1-9.	4.3	2
2584	Accelerated Reinforcement Learning via Dynamic Mode Decomposition. IEEE Transactions on Control of Network Systems, 2023, 10, 2022-2034.	2.4	2
2585	Frequency-Limited Model Reduction for Linear Positive Systems: A Successive Optimization Method. Applied Sciences (Switzerland), 2023, 13, 4039.	1.3	1
2588	Order Reduction of Multi-Channel FIR Filters by Balanced Truncation., 2023,,.		0
2594	Parameterization of All Moment Matching Interpolants. , 2023, , .		4
2596	Distributed Stability Indices of a Cluster of Nonlinear Heterogeneous Dynamical Devices: Aggregation and Correction., 2023,,.		0
2613	Closed-Loop Model Reduction by Moment Matching for Linear Systems. , 2023, , .		0

#	Article	IF	CITATIONS
2614	$\label{label} L\hat{a}\ \check{z}/\ L\ sub\ 2\ sub\ Hankel\ Norm\ Analysis\ and\ Characterization\ of\ Critical\ Instants\ for\ Continuous\ Time\ Linear\ Periodically\ Time\ Varying\ Systems.\ ,\ 2023,\ ,\ .$		0
2615	Handling Quality-Oriented Tuning Procedure of a Dynamic Inversion Control Law via a Robust Control Technique. , 2024, , .		O