

Nestor Thome

List of Publications by Year in descending order

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430874

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75
all docs

75
docs citations

75
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	Representations of the weighted WG inverse and a rank equation's solution. Linear and Multilinear Algebra, 2023, 71, 226-241.	1.0	0
2	The $\langle i \rangle W \langle i \rangle$ -weighted BT inverse. Quaestiones Mathematicae, 2023, 46, 359-374.	0.6	2
3	GDMP-inverses of a matrix and their duals. Linear and Multilinear Algebra, 2022, 70, 3923-3935.	1.0	4
4	The weak core inverse. Aequationes Mathematicae, 2021, 95, 351-373.	0.8	8
5	The W -weighted Drazin-star matrix and its dual. Electronic Journal of Linear Algebra, 2021, 37, 72-87.	0.6	3
6	From projectors to 1MP and MP1 generalized inverses and their induced partial orders. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	1.2	7
7	Characterizations and perturbation analysis of a class of matrices related to core-EP inverses. Journal of Computational and Applied Mathematics, 2021, 393, 113496.	2.0	4
8	Characterizations of $\langle i \rangle k \langle i \rangle$ -commutative equalities for some outer generalized inverses. Linear and Multilinear Algebra, 2020, 68, 177-192.	1.0	38
9	Sharp partial order and linear autonomous systems. Applied Mathematics and Computation, 2020, 366, 124736.	2.2	9
10	Spectral study of $\{R, s+1, k\}$ - and $\{R, s+1, k, \hat{\alpha}\}$ -potent matrices. Journal of Computational and Applied Mathematics, 2020, 373, 112414.	2.0	1
11	Ordered matrices with nonnegative group projector. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	0
12	On the minus partial order in control systems. Applied Mathematics and Computation, 2020, 386, 125529.	2.2	5
13	Solving an Open Problem About the G-Drazin Partial Order. Electronic Journal of Linear Algebra, 2020, 36, 55-66.	0.6	3
14	Further results on generalized centro-invertible matrices. Numerical Algorithms, 2019, 80, 1309-1328.	1.9	0
15	A weak group inverse for rectangular matrices. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 3727-3740.	1.2	18
16	Left and right generalized Drazin invertible operators on Banach spaces and applications. Operators and Matrices, 2019, , 569-583.	0.3	2
17	Matrices A such that $A+1R\hat{\alpha}^{-}=\hat{\alpha}^{-}RA\hat{\alpha}^{\check{}}$ with $R\hat{\alpha}^{-}=\hat{\alpha}^{-}1$. Linear Algebra and Its Applications, 2018, 552, 85-104.	0.9	3
18	Maximal classes of matrices determining generalized inverses. Applied Mathematics and Computation, 2018, 333, 42-52.	2.2	47

#	ARTICLE	IF	CITATIONS
19	Revisiting the core EP inverse and its extension to rectangular matrices. <i>Quaestiones Mathematicae</i> , 2018, 41, 265-281.	0.6	85
20	Weighted G-Drazin inverses and a new pre-order on rectangular matrices. <i>Applied Mathematics and Computation</i> , 2018, 317, 12-24.	2.2	16
21	Algorithms for solving the inverse problem associated with $KAK=As+1$. <i>Journal of Computational and Applied Mathematics</i> , 2017, 309, 333-341.	2.0	2
22	Nilpotent matrices and the minus partial order. <i>Quaestiones Mathematicae</i> , 2017, 40, 519-525.	0.6	5
23	On a revisited Moore-Penrose inverse of a linear operator on Hilbert spaces. <i>Filomat</i> , 2017, 31, 1927-1931.	0.5	3
24	Inequalities and equalities for \hat{a}, \hat{a}^2 (Sylvester), \hat{a}, \hat{a}^3 (Frobenius), and \hat{a}, \hat{a}^3 matrices. <i>Aequationes Mathematicae</i> , 2016, 90, 951-960.	0.8	3
25	The class of $m \times n$ -EP and $m \times n$ -normal matrices. <i>Linear and Multilinear Algebra</i> , 2016, 64, 2119-2132.	1.0	23
26	On some new pre-orders defined by weighted Drazin inverses. <i>Applied Mathematics and Computation</i> , 2016, 282, 108-116.	2.2	22
27	A simultaneous canonical form of a pair of matrices and applications involving the weighted Moore-Penrose inverse. <i>Applied Mathematics Letters</i> , 2016, 53, 112-118.	2.7	4
28	The inverse eigenvalue problem for a Hermitian reflexive matrix and the optimization problem. <i>Journal of Computational and Applied Mathematics</i> , 2016, 291, 449-457.	2.0	17
29	New matrix partial order based on spectrally orthogonal matrix decomposition. <i>Linear and Multilinear Algebra</i> , 2016, 64, 362-374.	1.0	8
30	Weighted binary relations involving the Drazin inverse. <i>Applied Mathematics and Computation</i> , 2015, 253, 215-223.	2.2	21
31	An algorithm to study the nonnegativity, regularity and stability via state-feedbacks of singular systems of arbitrary index. <i>Linear and Multilinear Algebra</i> , 2015, 63, 882-892.	1.0	2
32	Inverse eigenvalue problem for normal $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -hamiltonian matrices. <i>Applied Mathematics Letters</i> , 2015, 48, 36-40.	2.7	11
33	Further properties on the core partial order and other matrix partial orders. <i>Linear and Multilinear Algebra</i> , 2014, 62, 1629-1648.	1.0	28
34	Generalized centro-invertible matrices with applications. <i>Applied Mathematics Letters</i> , 2014, 38, 106-109.	2.7	3
35	On a matrix group constructed from an $\{R, s+1, k\}$ -potent matrix. <i>Linear Algebra and Its Applications</i> , 2014, 461, 200-210.	0.9	3
36	On a new generalized inverse for matrices of an arbitrary index. <i>Applied Mathematics and Computation</i> , 2014, 226, 575-580.	2.2	110

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37	The diamond partial order in rings. Linear and Multilinear Algebra, 2014, 62, 386-395.	1.0	29
38	Matrices A such that $RA=As+1R$ when $Rk=I$. Linear Algebra and Its Applications, 2013, 439, 1017-1023.	0.9	4
39	Nonnegative singular control systems using the Drazin projector. Applied Mathematics Letters, 2013, 26, 799-803.	2.7	3
40	On a partial order defined by the weighted Moore-Penrose inverse. Applied Mathematics and Computation, 2013, 219, 7310-7318.	2.2	22
41	Algorithms for $\{K,s+1\}$ -potent matrix constructions. Journal of Computational and Applied Mathematics, 2013, 249, 157-162.	2.0	7
42	Relationships between different sets involving group and Drazin projectors and nonnegativity. Linear Algebra and Its Applications, 2013, 438, 1688-1699.	0.9	16
43	Relationships between different sets involving group and Drazin projectors and nonnegativity. Linear Algebra and Its Applications, 2013, 438, 1688-1699.	0.9	9
44	Special elements in a ring related to Drazin inverses. Linear and Multilinear Algebra, 2013, 61, 1017-1027.	1.0	3
45	The star partial order and the eigenprojection at 0 on EP matrices. Applied Mathematics and Computation, 2012, 218, 10669-10678.	2.2	21
46	Drazin inverse based numerical methods for singular linear differential systems. Advances in Engineering Software, 2012, 50, 37-43.	3.8	1
47	Using the GSVD and the lifting technique to find and anti-reflexive solutions of $AX=B$. Applied Mathematics Letter	0.9	16
48	Nonnegativity, stability, and regularization of discrete-time descriptor systems. Linear Algebra and Its Applications, 2010, 432, 837-846.	2.7	9
49	A dynamic model for a study of diabetes. Mathematical and Computer Modelling, 2009, 50, 713-716.	2.0	8
51	Characterization of Matrices with Nonnegative Group-Projector. Lecture Notes in Control and Information Sciences, 2009, , 315-320.	1.0	0
52	Idempotency of linear combinations of an idempotent matrix and a $\langle b \rangle \langle i \rangle \langle /b \rangle$ -potent matrix that do not commute. Linear and Multilinear Algebra, 2008, 56, 679-687.	1.0	14
53	An algorithm to check the nonnegativity of singular systems. Applied Mathematics and Computation, 2007, 189, 355-365.	2.2	23
54	An algorithm for normalizing variable control systems. Applied Mathematics and Computation, 2007, 192, 439-445.	2.2	1

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55	A note on k -generalized projections. <i>Linear Algebra and Its Applications</i> , 2007, 420, 572-575.	0.9	16
56	$\{k\}$ -Group Periodic Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2006, 28, 9-25.	1.4	23
57	The generalized Schur complement in group inverses and $(k+1)$ -potent matrices. <i>Linear and Multilinear Algebra</i> , 2006, 54, 405-413.	1.0	24
58	Pole-assignment of discrete time-delay systems with symmetries. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2006, 6, 641-649.	0.9	0
59	Idempotency of linear combinations of an idempotent matrix and a t -potent matrix that commute. <i>Linear Algebra and Its Applications</i> , 2005, 403, 414-418.	0.9	28
60	Characterizations and linear combinations of k -generalized projectors. <i>Linear Algebra and Its Applications</i> , 2005, 410, 150-159.	0.9	23
61	Output feedback stabilization for symmetric control systems. <i>Journal of the Franklin Institute</i> , 2005, 342, 814-823.	3.4	7
62	Applications of differential geometry to cartography. <i>International Journal of Mathematical Education in Science and Technology</i> , 2004, 35, 29-38.	1.4	5
63	Gramian matrices and balanced model of generalized systems. <i>Applied Mathematics and Computation</i> , 2004, 148, 341-350.	2.2	4
64	Generalized inverses and a block-rank equation. <i>Applied Mathematics and Computation</i> , 2003, 141, 471-476.	2.2	17
65	Oblique projectors and group involutory matrices. <i>Applied Mathematics and Computation</i> , 2003, 140, 517-522.	2.2	18
66	Symmetric singular linear control systems. <i>Applied Mathematics Letters</i> , 2002, 15, 671-675.	2.7	5
67	Compensating periodic descriptor systems. <i>Systems and Control Letters</i> , 2001, 43, 133-139.	2.3	4
68	A geometrical approach on generalized inverses by Neumann-type series. <i>Linear Algebra and Its Applications</i> , 2001, 332-334, 533-540.	0.9	34
69	Balancing singular discrete-time systems. <i>Applied Mathematics Letters</i> , 2000, 13, 7-13.	2.7	7
70	Group inverse and group involutory Matrices. <i>Linear and Multilinear Algebra</i> , 1998, 45, 207-218.	1.0	19
71	Nonnegativity of Control Singular Systems via State-Feedbacks. , 0, , 25-32.		1
72	Properties of a matrix group associated to a $\{k,s+1\}$ -potent matrix. <i>Electronic Journal of Linear Algebra</i> , 0, 24, .	0.6	3

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73	When is the hermitian/skew-hermitian part of a matrix a potent matrix?. Electronic Journal of Linear Algebra, 0, 24, .	0.6	4
74	Parametrized solutions X of the system $AXA = AY A$ and $A^k Y AX = XAY A^k$. Electronic Journal of Linear Algebra, 0, 35, 503-510.	0.6	5
75	Numerical Methods for Singular Linear Differential Systems. , 0, , .		0