

FISA DE VERIFICARE A STANDARDELOR MINIMALE PENTRU ABILITARE

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I=19.611	I _{recent} =17.9725	C=29
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Articole ISI (indexate Web of Science) publicate in reviste cu factor de impact >0.5

Nr. crt. publica tie	Articol, referinta bibliografica	Publicat in ultimii 7 ani?	f _i	n _i	f _i /n _i
1.	A.M. Bica, S. Muresan, Approaching nonlinear Volterra neutral delay integro-differential equations with the Perov's fixed point theorem, Fixed Point Theory 8, no.2 (2007) 187-200.	NU	0.779	2	0.3895
2.	A. M. Bica, V. A. Caus, I. Fechet, S. Muresan, Application of the Cauchy-Buniakovski-Schwarz's inequality to an optimal property for cubic splines, J. of Computational Anal. & Appl. 9, no.1 (2007) 43-53.	NU	0.502	4	0.125
3.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	NU	1.124	1	1.124
4.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, no. 5 (2008) 1279-1292.	DA	3.643	1	3.643
5.	A. M. Bica, On iterates of Cheney-Sharma operator, J. of Computational Anal. & Appl. 11, no.2 (2009) 271-273.	DA	0.502	1	0.502
6.	A. M. Bica, M. Curila, S. Curila, Approximating the solution of second order differential equation with retarded argument, J. of Computational Anal. & Appl. 12, no.1-A (2010) 37-47.	DA	0.502	3	0.167
7.	A. M. Bica, M. Curila, S. Curila, About a numerical method of successive interpolations for two-point boundary value problems with deviating argument, Applied Math. & Computation, 217 (2011) 7772-7789.	DA	1.349	3	0.449
8.	A. M. Bica, The numerical method of successive interpolations for Fredholm functional integral equations, Numerical Algorithms, 58 (2011) 351-377.	DA	1.128	1	1.128
9.	A. M. Bica, The numerical method of successive interpolations for two-point boundary value problems with deviating argument, Computers & Math. with Applications, 62 (2011) 3829-3843.	DA	2.069	1	2.069
10.	A. M. Bica, M. Curila, S. Curila, About a numerical method of successive interpolations for functional Hammerstein integral equations, J. of Comput. & Applied Mathematics, 236 (2012) 2005-2024.	DA	0.989	3	0.329
11.	A. M. Bica, Fitting data using optimal Hermite type cubic interpolating splines, Applied Mathematics Letters, 25, no.12 (2012) 2047-2051.	DA	1.501	1	1.501
12.	A. M. Bica, C. Popescu, Numerical solutions of the nonlinear fuzzy Hammerstein-Volterra delay integral equations, Information Sciences, 233 (2013) 236-255.	DA	3.643	2	1.8215
13.	A. M. Bica, One-sided fuzzy numbers and applications to integral equations from epidemiology, Fuzzy Sets & Systems, 219 (2013) 27-48.	DA	1.749	1	1.749
14.	A. M. Bica, C. Popescu, Fuzzy spline interpolation with optimal property in parametric form, Information Sciences, 236 (2013) 138-155.	DA	3.643	2	1.8215

15.	A. M. Bica, Solving delay differential equations by successive approximations, Carpathian J. of Mathematics, 29, no.2 (2013) 133-140.	DA	0.852	1	0.852
16.	A.M. Bica, M. Curila, S. Curila, The method of successive interpolations solving initial value problems for second order functional differential equations, Fixed Point Theory 14, no.1(2013) 67-90.	DA	0.779	3	0.259
17.	A.M. Bica, C. Popescu, Approximating the solution of nonlinear Hammerstein fuzzy integral equations, Fuzzy Sets & Systems, 245 (2014) 1-17.	DA	1.749	2	0.8745
18.	A.M. Bica, Optimizing at the end-points the Akima's interpolation method of smooth curve fitting, Computer Aided Geometric Design 31 (2014) 245-257.	DA	0.81	1	0.81
Total:			I=	19.611	
			I _{recent} =	17.9725	

CITARI in reviste ISI cu factor de impact >0.5 (Selectate de pe Google Scholar, Web of Science, si Scopus)

Nr. Crt.	Publicatia citata	Revista si articolul in care a fost citat	f _i
1.	A.M. Bica, S. Muresan, Smooth dependence by lag of the solution of a delay integro-differential equation from biomathematics, Commun. In Math. Anal., vol..1, no.1, 64-74, 2006.	H. Zhang, L. Chen, J.J. Nieto, A delayed epidemic model with stage- structure and pulses for pest management strategy, Nonlin. Anal. Real World Appl. 9 (2008) 1714-1726.	2.201
2.	A.M. Bica, V. A. Caus, S. Muresan, Application of a trapezoid inequality to neutral Fredholm integro-differential equations in Banach spaces, J. of Inequalities in Pure and Appl. Math., vol. 7, issue 5, article 173, 2006, 1-11.	D.B. Pachpatte, On a nonstandard Volterra type dynamic integral equation on time scales, Electronic J. of Qualitative Theory of Differential Equations, 2009, no. 72, 1-14.	0.74
3.	A.M. Bica, Aplicații actuale ale metodei aproximațiilor succesive, Editura Universității din Oradea, 2009, 176 pag., ISBN : 978-973-759-680-2.	I.A. Rus, Some nonlinear functional differential and integral equations, via weakly Picard operator theory: a survey, Carpathian J. Math. 26, no.2 (2010) 230-258.	0.852
4.	A.M. Bica, S. Muresan, Approaching nonlinear Volterra neutral delay integro-differential equations with the Perov's fixed point theorem, Fixed Point Theory 8, no.2 (2007) 187-200.	I.A. Rus, Some nonlinear functional differential and integral equations, via weakly Picard operator theory: a survey, Carpathian J. Math. 26, no.2 (2010) 230-258.	0.852
5.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, 5, 2008, 1279-1292.	N. Parandin, M.A. Fariborzi Araghi, The numerical solution of linear fuzzy Fredholm integral equations of the second kind by using finite and divided differences methods, Soft Computing 15 (2011) 729-741.	1.124
6.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, 5, 2008, 1279-1292.	M.A. Fariborzi Araghi, N. Parandin, Numerical solution of fuzzy Fredholm integral equations by the Lagrange interpolation based on the extension principle, Soft Computing 15 (2011) 2449-2456.	1.124
7.	A. Bica, C. Iancu, On a delay integral equation in biomathematics, J. of Concrete and Applicable Mathematics, vol. 4, no. 2, 153-170, 2006.	C. Dubau, Optimal property of the shape of aeolian blade profile using cubic splines, J. of Computational Anal. & Appl. 13, no.2 (2011) 254-263.	0.502
8.	A. M. Bica, Metode numerice iterative pentru ecuatii operatoriale, Editura	C. Dubau, Optimal property of the shape of aeolian blade profile using cubic splines, J.	0.502

	Universitatii din Oradea, 2006, 209 pag., ISBN: 973-759-007-4.	of Computational Anal. & Appl. 13, no.2 (2011) 254-263.	
9.	A. M. Bica, V. A. Caus, I. Fechete, S. Muresan, Application of the Cauchy-Buniakovski-Schwarz's inequality to an optimal property for cubic splines, J. of Computational Anal. & Appl. 9, no.1 (2007) 43-53.	C. Dubau, Optimal property of the shape of aeolian blade profile using cubic splines, J. of Computational Anal. & Appl. 13, no.2 (2011) 254-263.	0.502
10.	A. M. Bica, M. Curila, S. Curila, Approximating the solution of second order differential equation with retarded argument, J. of Computational Anal. & Appl. 12, no.1-A (2010) 37-47.	C. Dubau, Optimal property of the shape of aeolian blade profile using cubic splines, J. of Computational Anal. & Appl. 13, no.2 (2011) 254-263.	0.502
11.	A.M. Bica, H. Oros, Combined new numerical method for Volterra integral equations of pantograph type, Discrete, Contin. & Impuls. Dyn. Syst., Series A, Mathematical Analysis vol.16, No. S1, Supplement, 162-168 (2009).	Hehu Xie, Ran, Zhang, H. Brunner, The collocation methods for general Volterra functional integral equations with vanishing delays, SIAM J. on Scientific Computing 33, no.6 (2011) 3303-3332.	1.949
12.	A. M. Bica, M. Curila, S. Curila, About a numerical method of successive interpolations for two-point boundary value problems with deviating argument, Appl. Math. & Computation, 217 (2011) 7772-7789.	D. Trif, Direct operatorial tau method for pantograph-type equations, Applied Mathematics & Computation, 219 (2012) 2194-2203.	1.349
13.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	Z. Mako, Real vector space of L-R fuzzy intervals with respect to the shape – preserving t-norm-based addition, Fuzzy Sets & Syst. 200 (2012) 136-149.	1.749
14.	A. M. Bica, On iterates of Cheney-Sharma operator, J. of Comput. Anal. & Appl., vol. 11, no.2, 2009, 271-273.	T. Catinas, D. Otrocol, Iterates of multivariate Cheney-Sharma operators, J. of Comput. Anal. & Appl. 15, no.7 (2013) 1240-1246.	0.502
15.	A.M. Bica, Trapezoidal inequality for Lipschitzian vector-valued functions and an application, Analele Univ. Oradea, fasc. mat., vol.XIV, 2007, 101-121.	Xuezhi Wu, Optimal fuzzy quadrature formula for classes of fuzzy-number-valued functions of Lipschitz type, Fuzzy Sets & Syst. 223 (2013) 100-108.	1.749
16.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, 5, 2008, 1279-1292.	B. Bede, L. Stefanini, Generalized differentiability of fuzzy-valued functions, Fuzzy Sets & Syst. 230 (2013) 119-141.	1.749
17.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	Dong Qiu, Chongxia Lu, Wei Zhang, On the normed space of equivalence classes of fuzzy numbers, The Scientific World J., article ID 792484 (2013).	1.73
18.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	Dong Qiu, Weiquan Zhang, Symmetric fuzzy numbers and additive equivalence of fuzzy numbers, Soft Computing 17, no.8 (2013) 1471-1477.	1.124
19.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	R. Ezzati, S. Ziari, Numerical solution of nonlinear fuzzy Fredholm integral equations using iterative method, Appl. Math. & Comput. 225 (2013) 33-42.	1.349
20.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, 5, 2008, 1279-1292.	R. Ezzati, S. Ziari, Numerical solution of nonlinear fuzzy Fredholm integral equations using iterative method, Appl. Math. & Comput. 225 (2013) 33-42.	1.349
21.	A. M. Bica, C. Popescu, Numerical	R. Ezzati, S. Ziari, Numerical solution of	1.349

	solutions of the nonlinear fuzzy Hammerstein-Volterra delay integral equations, Information Sciences, 233 (2013) 236-255.	nonlinear fuzzy Fredholm integral equations using iterative method, Appl. Math. & Comput. 225 (2013) 33-42.	
22.	A. M. Bica, One-sided fuzzy numbers and applications to integral equations from epidemiology, Fuzzy Sets & Systems, 219 (2013) 27-48.	R. Ezzati, S. Ziari, Numerical solution of nonlinear fuzzy Fredholm integral equations using iterative method, Appl. Math. & Comput. 225 (2013) 33-42.	1.349
23.	A.M. Bica, C. Popescu, Approximating the solution of nonlinear Hammerstein fuzzy integral equations, Fuzzy Sets & Systems 245 (2014) 1-17.	R. Ezzati, S. Ziari, Numerical solution of nonlinear fuzzy Fredholm integral equations using iterative method, Appl. Math. & Comput. 225 (2013) 33-42.	1.349
24.	A. M. Bica, One-sided fuzzy numbers and applications to integral equations from epidemiology, Fuzzy Sets & Systems, 219 (2013) 27-48.	F. Mirzaee, M. Paripour, M. Komak Yari, Application of hat functions to solve Linear Fredholm fuzzy integral equation of the second kind, J. of Intelligent & Fuzzy Syst. 27, no. 1 (2014) 211-220 .	0.788
25.	A. M. Bica, C. Popescu, Numerical solutions of the nonlinear fuzzy Hammerstein-Volterra delay integral equations, Information Sciences, 233 (2013) 236-255.	F. Mirzaee, M. Paripour, M. Komak Yari, Application of hat functions to solve Linear Fredholm fuzzy integral equation of the second kind, J. of Intelligent & Fuzzy Syst. 27, no. 1 (2014) 211-220.	0.788
26.	A. M. Bica, Error estimation in the approximation of the solution of nonlinear fuzzy Fredholm integral equations, Information Sciences, 178, 5, 2008, 1279-1292.	T. Allahviralo, Sh. S. Behzadi, The use of airfoil and Chebyshev polynomials methods for solving fuzzy Fredholm integro-differential equations with Cauchy kernel, Soft Computing 18, no. 10 (2014) 1885-1897.	1.124
27.	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	Dong Qiu, Chongxia Lu, Wei Zhang, Y. Lan, Algebraic properties and topological properties of the quotient space of fuzzy numbers based on Mares equivalence relation, Fuzzy Sets & Systems 245 (2014) 63-82.	1.749
28.	A.M. Bica, Trapezoidal inequality for Lipschitzian vector-valued functions and an application, Analele Univ. Oradea, fasc. mat., vol.XIV, 2007, 101-121.	S.S. Dragomir, Some Lipschitz type inequalities for complex functions, Applied Math. & Computation 230 (2014) 516-529.	1.349
29	A. M. Bica, Algebraic structures for fuzzy numbers from categorial point of view, Soft Computing, 11 (2007) 1099-1105.	M. Holcapek, M. Stepnicka, MI-algebras: A new framework for arithmetics of (extensional) fuzzy numbers, Fuzzy Sets & Systems 257 (2014) 102-131.	1.749
Total		29 citari	

Observatie: Articolele ISI cu nr. crt. 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18 din primul tabel sunt publicate in reviste cu scor relativ de influenta (SRI) >0.5, acest scor fiind: 0.77, 2.017, 0.669, 1.000, 1.117, 0.851, 0.854, 2.017, 1.276, 2.017, 1.276 si respectiv, 1.006, ceea ce prin impartirea la numarul de autori conduce la un SRI individual cumulat de **11.201**, din care in ultimii 7 ani, un SRI de **10.431**. De asemenea, citarile cu nr. crt. 1, 5, 6, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29 din al doilea tabel apar in reviste cu SRI >0.5 (acest scor este: 1.037 la prima citare; 0.77 la citarile 5, 6, 18, 26; 2.431 la citarea 11; 0.669 la citarile 12, 19, 20, 21, 22, 23, 28; 1.267 la citarile 13, 15, 16, 27, 29; 0.783 la citarea 17). In total, sunt **19** astfel de citari. Deci, sunt indeplinite deopotrivă atat standardele minimale (in vigoare după 13.12.2013) ce folosesc factorul de impact, cat si cele ce folosesc scorul relativ de influenta (utilizate in perioada octombrie 2011- decembrie 2013).

30 mai 2014

Bica Alexandru Mihai

Nota: Factorii de impact ai revistelor au fost preluati din ultima editie a Journal Citation Reports, iar valorile scorului relativ de influenta sunt cele prevazute in ultima editie publicata de UEFISCDI.