

## Anexa 4

### FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE MATEMATICĂ

Candidat Conf. univ. dr. ALINA SÂNTĂMĂRIAN,  
înscris la concursul pentru ocuparea postului de PROFESOR UNIVERSITAR  
la Facultatea DE AUTOMATICĂ ŞI CALCULATOARE  
Departamentul DE MATEMATICĂ,  
poziția 9

$f_i$  reprezintă factorul de impact al revistei științifice în care a fost publicat articolul  $i$ ;  
 $n_i$  reprezintă numărul de autori ai articolului  $i$ ;  
 $C$  este numărul de citări, provenind din articole publicate în reviste științifice care au un factor de impact mai mare sau egal cu 0,5, care citează articole științifice publicate de candidat, ca autor sau coautor. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul.

#### Standarde minime

Profesor universitar:  $I \geq 5$  și  $I_{recent} \geq 2,5$  și  $C \geq 12$

*Calcule efectuate cu factorul de impact pe anul 2013, de la data de 5 august 2014 (2013 Impact Factor, ISI Web of Knowledge).*

Am scris 45 de articole. Dintre acestea 9 articole sunt publicate (opt) sau acceptate spre publicare (unul) în reviste ISI, 8 dintre ele având factorul de impact mai mare sau egal decât 0,5.

Nr. crt.	Articol, referință bibliografică	Publicat în ultimii 7 ani	$f_i$	$n_i$	$f_i/n_i$
1	A. Petrușel, <u>A. Sântămărian</u> : Single-valued and multi-valued Caristi type operators, <i>Publicationes Mathematicae Debrecen</i> 60 (1-2), 2002, 167--177.		0,519	2	0,259
2	I. A. Rus, A. Petrușel, <u>A. Sântămărian</u> : Data dependence of the fixed point set of some multivalued weakly Picard operators, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 52 (8), 2003, 1947--1959.		1,612	3	0,537
3	<u>A. Sântămărian</u> : A generalization of Euler's constant, <i>Numerical Algorithms</i> 46 (2), 2007, 141--151.		1,005	1	1,005

4	<u>A. Sîntămărian</u> : A topological property of the common fixed points set of two multivalued operators satisfying a Latif-Beg type condition, Fixed Point Theory 9 (2), 2008, 561--573.	X	0,951	1	0,951
5	<u>A. Sîntămărian</u> : A topological property of the common fixed points set of two multivalued operators, Nonlinear Analysis - Theory Methods & Applications 70 (1), 2009, 452--456.	X	1,612	1	1,612
6	<u>A. Sîntămărian</u> : Some inequalities regarding a generalization of Ioachimescu's constant, Journal of Mathematical Inequalities 4 (3), 2010, 413--421.	X	0,718	1	0,718
7	<u>A. Sîntămărian</u> : Sequences that converge quickly to a generalized Euler constant, Mathematical and Computer Modelling 53 (5-6), 2011, 624--630.	X	2,020	1	2,020
8	<u>A. Sîntămărian</u> : Some new sequences that converge to a generalized Euler constant, Applied Mathematics Letters 25 (6), 2012, 941--945.	X	1,480	1	1,480
Total			I=	8,582	
			$I_{recen}$ =	6,781	

*Calcule efectuate cu factorul de impact pe anul 2013, de la data de 5 august 2014 (2013 Impact Factor, ISI Web of Knowledge).*

Lucrările mele au fost citate de 192 de ori. Dintre acestea 70 de citări sunt în reviste ISI, 59 dintre ele având factorul de impact mai mare sau egal decât 0,5.

#### Carte citată

AS. A. Sîntămărian: A Generalization of Euler's Constant, Editura Mediamira, Cluj-Napoca, 2008. (150 de pagini) ISBN: 978-973-713-227-7

#### Articole citate

PS2. A. Petrușel, A. Sîntămărian: Single-valued and multi-valued Caristi type operators, Publicationes Mathematicae Debrecen 60 (1-2), 2002, 167--177.

RPS1. I. A. Rus, A. Petrușel, A. Sîntămărian: Data dependence of the fixed points set of multivalued weakly Picard operators, Studia Universitatis Babeș-Bolyai, Mathematica, 46 (2), 2001, 111--121.

RPS2. I. A. Rus, A. Petrușel, A. Sîntămărian: Data dependence of the fixed point set of some multivalued weakly Picard operators, Nonlinear Analysis - Theory Methods

& Applications 52 (8), 2003, 1947--1959.

- AS1. A. Sîntămărian: Metrical strict fixed point theorems for multivalued mappings, Seminar on Fixed Point Theory, Babeş-Bolyai University, Preprint Nr. 3, 1997, 27--31.
- AS3. A. Sîntămărian: Common fixed point theorems for multivalued mappings, Seminar on Fixed Point Theory Cluj-Napoca, 1, 2000, 93--102.
- AS7. A. Sîntămărian: Weakly Picard pairs of multivalued operators, Mathematica, Tome 45 (68), No. 2, 2003, 195--204.
- AS10. A. Sîntămărian: Some pairs of multivalued operators, Carpathian Journal of Mathematics 21 (1-2), 2005, 115--125.
- AS13. A. Sîntămărian: Selections and common fixed points for some generalized multivalued contractions, Demonstratio Mathematica 39 (3), 2006, 609--617.
- AS15. A. Sîntămărian: About a generalization of Euler's constant, Automation Computers Applied Mathematics 16 (1), 2007, 153--163.
- AS16. A. Sîntămărian: A generalization of Euler's constant, Numerical Algorithms 46 (2), 2007, 141--151.
- AS17. A. Sîntămărian: Some inequalities regarding a generalization of Euler's constant, Journal of Inequalities in Pure and Applied Mathematics 9 (2), 2008, 7 pp., Article 46.
- AS18. A. Sîntămărian: A representation and a sequence transformation regarding a generalization of Euler's constant, Automation Computers Applied Mathematics 17 (2), 2008, 335--344.
- AS19. A. Sîntămărian: A topological property of the common fixed points set of two multivalued operators satisfying a Latif-Beg type condition, Fixed Point Theory 9 (2), 2008, 561--573.
- AS20. A. Sîntămărian: A topological property of the common fixed points set of two multivalued operators, Nonlinear Analysis - Theory Methods & Applications 70 (1), 2009, 452--456.
- AS25. A. Sîntămărian: Regarding a generalisation of Ioachimescu's constant, The Mathematical Gazette 94 (530), 2010, 270--283.
- AS26. A. Sîntămărian: Some inequalities regarding a generalization of Ioachimescu's constant, Journal of Mathematical Inequalities 4 (3), 2010, 413--421.
- AS30. A. Sîntămărian: Sequences that converge quickly to a generalized Euler constant, Mathematical and Computer Modelling 53 (5-6), 2011, 624--630.
- AS31. A. Sîntămărian: New sequences that converge to a generalization of Euler's constant, Integers 11 (2), 2011, 127--138.

Nr. crt.	Articolul citat	Revista și articolul în care a fost citat	$f_i$
1	PS2	Y. Feng, S. Liu: Fixed point theorems for multi-valued contractive mappings and multi-valued Caristi type mappings, <i>Journal of Mathematical Analysis and Applications</i> 317 (1), 2006, 103--112.	1,119
2	RPS2	M. Berinde, V. Berinde: On a general class of multi-valued weakly Picard mappings, <i>Journal of Mathematical Analysis and Applications</i> 326 (2), 2007, 772--782.	1,119
3	AS10	M. Berinde, V. Berinde: On a general class of multi-valued weakly Picard mappings, <i>Journal of Mathematical Analysis and Applications</i> 326 (2), 2007, 772--782.	1,119
4	RPS2	C. Chifu, G. Petrușel: Existence and data dependence of fixed points and strict fixed points for contractive-type multivalued operators, <i>Fixed Point Theory and Applications</i> , 2007, 8 pp., Article 34248.	2,486
5	RPS2	T. Kamran: Multivalued f-weakly Picard mappings, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 67 (7), 2007, 2289--2296.	1,612
6	AS10	T. Kamran: Multivalued f-weakly Picard mappings, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 67 (7), 2007, 2289--2296.	1,612
7	AS1	A. Petrușel, I. A. Rus: Fixed point theory for multivalued operators on a set with two metrics, <i>Fixed Point Theory</i> 8 (1), 2007, 97--104.	0,951
8	PS2	V. Popa: A general selection theorem for multivalued functions satisfying an implicit relation, <i>Fixed Point Theory</i> 8 (2), 2007, 297--301.	0,951
9	AS13	V. Popa: A general selection theorem for multivalued functions satisfying an implicit relation, <i>Fixed Point Theory</i> 8 (2), 2007, 297--301.	0,951
10	RPS2	T. Kamran, N. Cakić: Hybrid tangential property and coincidence point theorems, <i>Fixed Point Theory</i> 9 (2), 2008, 487--496.	0,951
11	RPS2	Q. Kiran, T. Kamran: Nadler's type principle with high order of convergence, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 69 (11), 2008, 4106--4120.	1,612
12	RPS2	L. Čirić: Multi-valued nonlinear contraction mappings, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 71 (7-8), 2009, 2716--2723.	1,612
13	RPS2	M. Abbas, B. E. Rhoades: Fixed point theorems for two new classes of multivalued mappings, <i>Applied Mathematics Letters</i> 22 (9), 2009, 1364--1368.	1,480
14	AS16	C. Mortici: Improved convergence towards generalized Euler-Mascheroni constant, <i>Applied Mathematics and Computation</i> 215 (9), 2010, 3443--3448.	1,600

15	PS2	K. Włodarczyk, R. Plebaniak: Periodic point, endpoint, and convergence theorems for dissipative set-valued dynamic systems with generalized pseudodistances in cone uniform spaces, Fixed Point Theory and Applications, 2010, 32 pp., Article 864536.	2,486
16	PS2	K. Włodarczyk, R. Plebaniak: Maximality principle and general results of Ekeland and Caristi types without lower semicontinuity assumptions in cone uniform spaces with generalized pseudodistances, Fixed Point Theory and Applications, 2010, 35 pp., Article 175453.	2,486
17	AS16	V. Lampret: An accurate approximation of zeta-generalized-Euler-constant functions, Central European Journal of Mathematics 8 (3), 2010, 488--499.	0,519
18	AS17	V. Lampret: An accurate approximation of zeta-generalized-Euler-constant functions, Central European Journal of Mathematics 8 (3), 2010, 488--499.	0,519
19	RPS2	T. Lazăr, G. Moț, G. Petrușel, S. Szentesi: The theory of Reich's fixed point theorem for multivalued operators, Fixed Point Theory and Applications, 2010, 10 pp., Article 178421.	2,486
20	PS2	K. Włodarczyk, R. Plebaniak: Quasigauge spaces with generalized quasipseudodistances and periodic points of dissipative set-valued dynamic systems, Fixed Point Theory and Applications, 2011, 22 pp., Article 712706.	2,486
21	RPS2	W. Sintunavarat, P. Kumam: Weak condition for generalized multi-valued $(f, \alpha, \beta)$ -weak contraction mappings, Applied Mathematics Letters 24 (4), 2011, 460--465.	1,480
22	AS16	V. Lampret: Two generalized-Euler-constant functions estimated accurately, Journal of Computational Analysis and Applications 13 (5), 2011, 857--874.	0,720
23	AS17	V. Lampret: Two generalized-Euler-constant functions estimated accurately, Journal of Computational Analysis and Applications 13 (5), 2011, 857--874.	0,720
24	AS sau AS18	V. Lampret: Two generalized-Euler-constant functions estimated accurately, Journal of Computational Analysis and Applications 13 (5), 2011, 857--874. (Neavând acces la articol, din baza de date ISI Web of Knowledge se vede că apare o citare a unei lucrări din anul 2008, care ar putea fi cartea AS sau articolul AS18.)	0,720
25	PS2	W. Sintunavarat, P. Kumam: Coincidence and common fixed points for generalized contraction multi-valued mappings, Journal of Computational Analysis and Applications 13 (2), 2011, 362--367.	0,720
26	AS16	V. Lampret: A double inequality for a generalized-Euler-constant function, Journal of Mathematical Analysis and Applications 381 (1), 2011, 155--165.	1,119
27	AS17	V. Lampret: A double inequality for a generalized-Euler-	1,119

		constant function, Journal of Mathematical Analysis and Applications 381 (1), 2011, 155--165.	
28	AS16	C.-P. Chen, H. M. Srivastava, L. Li, S. Manyama: Inequalities and monotonicity properties for the psi (or digamma) function and estimates for the Euler-Mascheroni constant, Integral Transforms and Special Functions 22 (9), 2011, 681--693.	0,814
29	AS17	C.-P. Chen, H. M. Srivastava, L. Li, S. Manyama: Inequalities and monotonicity properties for the psi (or digamma) function and estimates for the Euler-Mascheroni constant, Integral Transforms and Special Functions 22 (9), 2011, 681--693.	0,814
30	RPS2	V. L. Lazăr: Fixed point theory for multivalued $\Phi$ -contractions, Fixed Point Theory and Applications 2011 (1), 2011, Article 50, 12 pages.	2,486
31	RPS2	Sh. Rezapour, P. Amiri: Some fixed point results for multivalued operators in generalized metric spaces, Computers and Mathematics with Applications 61 (9), 2011, 2661--2666.	1,996
32	RPS2	W. Sintunavarat, P. Kumam: Common fixed point theorem for hybrid generalized multi-valued contraction mappings, Applied Mathematics Letters 25 (1), 2012, 52--57.	1,480
33	AS10	W. Sintunavarat, P. Kumam: Common fixed point theorem for hybrid generalized multi-valued contraction mappings, Applied Mathematics Letters 25 (1), 2012, 52--57.	1,480
34	AS16	C.-P. Chen, W.-S. Cheung: New representations for the Euler-Mascheroni constant and inequalities for the generalized Euler-constant function, Journal of Computational Analysis and Applications 14 (7), 2012, 1227--1236.	0,720
35	AS17	C.-P. Chen, W.-S. Cheung: New representations for the Euler-Mascheroni constant and inequalities for the generalized Euler-constant function, Journal of Computational Analysis and Applications 14 (7), 2012, 1227--1236.	0,720
36	RPS2	S. Rezapour, P. Amiri: Fixed point of multivalued operators on ordered generalized metric spaces, Fixed Point Theory 13 (1), 2012, 173--178.	0,951
37	RPS2	J.R. Wang, Y. Zhoub, M. Medved: Picard and weakly Picard operators technique for nonlinear differential equations in Banach spaces, Journal of Mathematical Analysis and Applications 389 (1), 2012, 261--274.	1,119
38	AS1 sau AS3	A. Petrușel, G. Petrușel: Multivalued Picard operators, Journal of Nonlinear and Convex Analysis 13 (1), 2012, 157--171. Autorii au trecut la Bibliografie revista în care a apărut articolul AS1 și titlul articolului AS3. Nu știu pe care dintre aceste două articole au dorit să-l citeze.	0,906
39	RPS2	C.-S. Chuang, L.-J. Lin, W. Takahashi: Fixed point theorems for single-valued and set-valued mappings on complete metric spaces, Journal of Nonlinear and Convex Analysis 13 (3),	0,906

		2012, 515--527.	
40	AS19	H. Afshari, S. Rezapour, N. Shahzad: Absolute reactivity of the common fixed points set of two multifunctions, Topological Methods in Nonlinear Analysis 40 (2), 2012, 429--436.	1,075
41	AS20	H. Afshari, S. Rezapour, N. Shahzad: Absolute reactivity of the common fixed points set of two multifunctions, Topological Methods in Nonlinear Analysis 40 (2), 2012, 429--436.	1,075
42	AS15	I. Gavrea, M. Ivan: Optimal rate of convergence for sequences of a prescribed form, Journal of Mathematical Analysis and Applications 402 (1), 2013, 35--43.	1,119
43	AS16	I. Gavrea, M. Ivan: Optimal rate of convergence for sequences of a prescribed form, Journal of Mathematical Analysis and Applications 402 (1), 2013, 35--43.	1,119
44	AS25	I. Gavrea, M. Ivan: Optimal rate of convergence for sequences of a prescribed form, Journal of Mathematical Analysis and Applications 402 (1), 2013, 35--43.	1,119
45	AS26	I. Gavrea, M. Ivan: Optimal rate of convergence for sequences of a prescribed form, Journal of Mathematical Analysis and Applications 402 (1), 2013, 35--43.	1,119
46	AS30	I. Gavrea, M. Ivan: Optimal rate of convergence for sequences of a prescribed form, Journal of Mathematical Analysis and Applications 402 (1), 2013, 35--43.	1,119
47	AS16	C.-P. Chen: Continued fraction estimates for the psi function, Applied Mathematics and Computation 219 (19), 2013, 9865--9871.	1,600
48	AS17	C.-P. Chen: Continued fraction estimates for the psi function, Applied Mathematics and Computation 219 (19), 2013, 9865--9871.	1,600
49	RPS1	F. Gürsoy, V. Karakaya, B. E. Rhoades: Data dependence results of new multi-step and S-iterative schemes for contractive-like operators, Fixed Point Theory and Applications 2013 (1), 2013, Article 76, 12 pages.	2,486
50	RPS2	F. Gürsoy, V. Karakaya, B. E. Rhoades: Data dependence results of new multi-step and S-iterative schemes for contractive-like operators, Fixed Point Theory and Applications 2013 (1), 2013, Article 76, 12 pages.	2,486
51	AS16	I. Gavrea, M. Ivan: A solution to an open problem on the Euler--Mascheroni constant, Applied Mathematics and Computation 224 (1), 2013, 54--57.	1,600
52	AS30	I. Gavrea, M. Ivan: A solution to an open problem on the Euler--Mascheroni constant, Applied Mathematics and Computation 224 (1), 2013, 54--57.	1,600
53	AS31	I. Gavrea, M. Ivan: A solution to an open problem on the Euler--Mascheroni constant, Applied Mathematics and	1,600

		Computation 224 (1), 2013, 54--57.	
54	RPS2	O. Popescu: A new type of contractive multivalued operators, Bulletin des Sciences Mathématiques 137 (1), 2013, 30--44.	0,733
55	PS2	W.-S. Du: On Caristi type maps and generalized distances with applications, Abstract and Applied Analysis, Volume 2013, Article ID 407219, 8 pages.	1,274
56	AS25	D. Popa, I. Raşa: Complete monotonicity and limit of a generalized Euler sequence, Ramanujan Journal 34 (2), 2014, 177--186.	0,507
57	AS30	D. Popa, I. Raşa: Complete monotonicity and limit of a generalized Euler sequence, Ramanujan Journal 34 (2), 2014, 177--186.	0,507
58	RPS2	M. Abbas, F. Khojasteh: Common $f$ -endpoint for hybrid generalized multi-valued contraction mappings, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales, Serie A. Matematicas. RACSAM. DOI: 10.1007/s13398-012-0107-1	0,689
59	AS10	M. Abbas, F. Khojasteh: Common $f$ -endpoint for hybrid generalized multi-valued contraction mappings, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales, Serie A. Matematicas. RACSAM. DOI: 10.1007/s13398-012-0107-1	0,689
Total			76,263

Cluj-Napoca  
5 august 2014

Conf. univ. dr. Alina Sîntămărian

**Notă.** În „Fișa de verificare a îndeplinirii standardelor minimale – Matematică” din data de 7 iulie 2014, au fost folosiți factorii de impact pe anul 2012, la acea dată nefiind încă afișați factorii de impact pe anul 2013.

Anexa 4

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MATEMATICĂ**

Candidat Conf. univ. dr. ALINA SÎNTĂMĂRIAN,

înscriș la concursul pentru ocuparea postului de PROFESOR UNIVERSITAR  
la Facultatea DE AUTOMATICĂ ŞI CALCULATOARE

Departamentul DE MATEMATICĂ,

poziția 9

$f_i$  reprezintă factorul de impact al revistei științifice în care a fost publicat articolul  $i$ ;  
 $n_i$  reprezintă numărul de autori ai articolului  $i$ ;

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*Standarde minime*

Profesor universitar:  $I \geq 5$  și  $I_{recent} \geq 2,5$  și  $C \geq 12$

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Nr. crt.	Articol, referință bibliografică	Publicat în ultimii 7 ani	$f_i$	$n_i$	$f_i/n_i$
1	I. A. Rus, A. Petrușel, <u>A. Sîntămărian</u> : Data dependence of the fixed point set of some multivalued weakly Picard operators, Nonlinear Analysis - Theory Methods & Applications 52 (8), 2003, 1947--1959.		1,640	3	0,546
2	<u>A. Sîntămărian</u> : A generalization of Euler's constant, Numerical Algorithms 46 (2), 2007, 141--151.		1,128	1	1,128
3	<u>A. Sîntămărian</u> : A topological property of the common fixed points set of two multivalued operators satisfying a Latif-Beg type condition, Fixed Point Theory 9 (2), 2008, 561--573.	X	0,779	1	0,779

4	<u>A. Sîntămărian</u> : A topological property of the common fixed points set of two multivalued operators, Nonlinear Analysis - Theory Methods & Applications 70 (1), 2009, 452--456.	X	1,640	1	1,640
5	<u>A. Sîntămărian</u> : Some inequalities regarding a generalization of Ioachimescu's constant, Journal of Mathematical Inequalities 4 (3), 2010, 413--421.	X	0,704	1	0,704
6	<u>A. Sîntămărian</u> : Sequences that converge quickly to a generalized Euler constant, Mathematical and Computer Modelling 53 (5-6), 2011, 624--630.	X	1,420	1	1,420
7	<u>A. Sîntămărian</u> : Some new sequences that converge to a generalized Euler constant, Applied Mathematics Letters 25 (6), 2012, 941--945.	X	1,501	1	1,501
8	<u>A. Sîntămărian</u> : Sharp estimates regarding the remainder of the alternating harmonic series, Mathematical Inequalities & Applications (acceptat spre publicare).	X	0,588	1	0,588
Total			I=	8,306	
			$I_{recent}$ =	6,632	

Lucrările mele au fost citate de 192 de ori. Dintre acestea 70 de citări sunt în reviste ISI, 56 dintre ele având factorul de impact mai mare sau egal decât 0,5.

#### Carte citată

AS. A. Sîntămărian: A Generalization of Euler's Constant, Editura Mediamira, Cluj-Napoca, 2008. (150 de pagini) ISBN: 978-973-713-227-7

#### Articole citate

- PS2. A. Petrușel, A. Sîntămărian: Single-valued and multi-valued Caristi type operators, Publicationes Mathematicae Debrecen 60 (1-2), 2002, 167--177.
- RPS1. I. A. Rus, A. Petrușel, A. Sîntămărian: Data dependence of the fixed points set of multivalued weakly Picard operators, Studia Universitatis Babes -Bolyai, Mathematica, 46 (2), 2001, 111--121.
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- AS3. A. Sîntămărian: Common fixed point theorems for multivalued mappings, Seminar on Fixed Point Theory Cluj-Napoca, 1, 2000, 93--102.
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- AS10. A. Sîntămărian: Some pairs of multivalued operators, Carpathian Journal of Mathematics 21 (1-2), 2005, 115--125.
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Nr. crt.	Articolul citat	Revista și articolul în care a fost citat	$f_i$
1	PS2	Y. Feng, S. Liu: Fixed point theorems for multi-valued contractive mappings and multi-valued Caristi type mappings, <i>Journal of Mathematical Analysis and Applications</i> 317 (1), 2006, 103--112.	1,050
2	RPS2	M. Berinde, V. Berinde: On a general class of multi-valued weakly Picard mappings, <i>Journal of Mathematical Analysis and Applications</i> 326 (2), 2007, 772--782.	1,050
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6	AS10	T. Kamran: Multivalued f-weakly Picard mappings, <i>Nonlinear Analysis - Theory Methods &amp; Applications</i> 67 (7), 2007, 2289--2296.	1,640
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Total			65,447

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