

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMATICII
DEPARTAMENTUL DE MATEMATICĂ**

Concurs pentru ocuparea postului de Profesor universitar, poz. 7

Disciplinele postului: Analiza matematică
 Matematici Speciale

FIȘA DE VERIFICARE
a îndeplinirii standardelor minimale naționale de prezentare la concurs pentru postul de
profesor universitar

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Candidat: Sandovici Valerică Adrian / Data nașterii: 31.01.1971

Funcția actuală: Conferențiar dr.,

Data numirii în funcția actuală: 13.02.2017

Instituția: Universitatea Tehnică "Gheorghe Asachi", Iași

Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei TUIASI.POB.08-A1.3.

(Modul de îndeplinire a standardelor minimale naționale va fi prezentat în mod explicit și va trebui însoțit de dovezi)

A. Lucrările în reviste ISI cu scorul relativ de influență (SRI) mai mare sau egal cu 0.5:

Nr. crt. articol	Articol, referința bibliografică	Publicat în ultimii 7 ani (2014 - 2020)	s_i	n_i	s_i / n_i
1.	Adrian Sandovici , Henk de Snoo, Henrik Winkler, Ascent, descent, nullity, defect, and related notions for linear relations in linear spaces Linear Algebra and its Applications 423, 456–497, 2007	NU	1.114 (SRI 2016)	3	0.3713
2.	A Sandovici , H de Snoo An index formula for the product of linear relations Linear Algebra and its Applications 431 (11), 2160-2171, 2009	NU	1.114 (SRI 2016)	2	0.557
3.	A Sandovici , H De Snoo, H Winkler The structure of linear relations in Euclidean spaces Linear algebra and its applications 397, 141-169, 2005	NU	1.114 (SRI 2016)	3	0.3713
4.	Seppo Hassi, Adrian Sandovici , H De Snoo, Henrik Winkler, A general factorization approach to the extension theory of nonnegative operators and relations Journal of Operator Theory 58 (2), 351-386, 2007.	NU	1.134 (SRI 2017)	4	0.2835
5.	S Hassi, A Sandovici , H De Snoo, H Winkler Extremal extensions for the sum of nonnegative selfadjoint relations Proceedings of the American Mathematical Society 135 (10), 3193-3204 2007	NU	1.322 (SRI 2013)	4	0.3205
6.	OV Iftime, M Roman, A Sandovici A Kernel Representation of Dirac Structures for Infinite-dimensional Systems Mathematical Modelling of Natural Phenomena 9 (5), 295-308, 2 2014	DA	0.958 (SRI 2015)	3	0.3193

7.	JP Labrousse, A Sandovici , HSV De Snoo, H Winkler The Kato decomposition of quasi-Fredholm relations Oper. Matrices 4 (1), 1-51, 2010	NU	0.696 (SRI 2017)	4	0.174
8.	JP Labrousse, A Sandovici , HSV De Snoo, H Winkler Closed linear relations and their regular points Operators and Matrices 6 (4), 681-714, 2012	NU	0.696 (SRI 2017)	4	0.174
9.	A Sandovici , Z Sebestyén On operator factorization of linear relations Positivity 17 (4), 1115-1122, 2013	NU	0.787 (SRI 2017)	2	0.3935
10.	A Sandovici , FH Vasilescu Normal extensions of subnormal linear relations via quaternionic Cayley transforms Monatshefte für Mathematik 170 (3-4), 437-463 2013	NU	1.124 (SRI 2017)	2	0.562
11.	T Alvarez, A Sandovici On the reduced minimum modulus of a linear relation in Hilbert spaces Complex Analysis and Operator Theory 7 (4), 801-812, 2013	NU	0.756 (SRI 2014)	2	0.378
12.	A Sandovici , On Domains and Ranges of Powers of Linear Relations in Linear Spaces Complex Analysis and Operator Theory 6 (3), 749-758, 2012	NU	0.756 (SRI 2014)	1	0.756
13.	A. Sandovici , Von Neumann's theorem for linear relations, Linear and Multilinear Algebra , Volume 66, 2018, Issue 9, Pages 1750–1756.	DA	1.018 (SRI 2016)	1	1.018
14.	P. Barsanescu, A. Sandovici , A. Serban, Mohr-Coulomb criterion with circular failure envelope, extended to materials with strength-differential effect, Materials and Design , 148 (2018) 49–70.	DA	2.595 (SRI 2017)	3	0.865

15.	M. Roman, A. Sandovici , A Factorization Approach to the Extension Theory of the Tensor Product of Nonnegative Linear Relations, Results in Mathematics , no. 72, 2017, pp. 875–891.	DA	0.689 (SRI 2015)	2	0.3445
16.	M. Roman, A. Sandovici , B-spectral theory of linear relations in complex Banach spaces, Publ. Math. Debrecen , vol. 91/3-4, 2017, pp. 455–466.	DA	0.650 (SRI 2019)	2	0.325
17.	S. Hassi, A. Sandovici , H.S.V. de Snoo, H. Winkler, Extremal maximal sectorial extensions of sectorial relations, Indagationes Mathematicae , vol. 28, 2017, pp. 1019–1055.	DA	0.995 (SRI 2017)	4	0.2487
18.	Adrian Sandovici , F.-H. Vasilescu, ON PRODUCTS OF NONNEGATIVE LINEAR OPERATORS AND RELATIONS, Acta Mathematica Hungarica , January 2012, Volume 134, Issue 1, pp 139–152 DOI: 10.1007/s10474-011-0130-2	NU	0.632 (SRI 2019)	2	0.316
19.	S. Hassi, A. Sandovici , H.S.V. de Snoo, H. Winkler, Form sums of nonnegative selfadjoint operators ACTA MATHEMATICA HUNGARICA Volume: 111 Issue: 1-2 Pages: 81--105, Published: APR 2006.	NU	0.632 (SRI 2019)	4	0.158
20.	Sandovici, Adrian , Self-adjointness and skew-adjointness criteria involving powers of linear relations, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS , Volume: 470, Issue: 1, Pages: 186-200, Published: FEB 1 2019.	DA	1.164 (SRI 2018)	1	1.164
21.	Roman, Marcel; Sandovici, Adrian , A Note on a Paper by Nieminen, RESULTS IN MATHEMATICS , Volume: 74, Issue: 2, Article Number: UNSP 73, Published: JUN 2019.	DA	0.689 (SRI 2015)	2	0.3445
22.	Sandovici, A. , A range matrix-type criterion for the self-adjointness of symmetric linear relations, ACTA MATHEMATICA HUNGARICA , Volume: 158, Issue: 1, Pages: 27-35, Published: JUN 2019.	DA	0.632 (SRI 2019)	1	0.632

23.	Hassi, Seppo; Sandovici, Adrian ; de Snoo, Henk, FACTORIZED SECTORIAL RELATIONS, THEIR MAXIMAL-SECTORIAL EXTENSIONS, AND FORM SUMS, BANACH JOURNAL OF MATHEMATICAL ANALYSIS , Volume: 13, Issue: 3, Pages: 538-564, Published: JUL 2019.	DA	0.904 (SRI 2019)	3	0.3013
24.	Roman, Marcel; Sandovici, Adrian , THE SQUARE ROOT OF NONNEGATIVE SELFADJOINT LINEAR RELATIONS IN HILBERT SPACES, JOURNAL OF OPERATOR THEORY , Volume: 82, Issue: 2, Pages: 357-367, Published: FAL 2019.	DA	1.134 (SRI 2017)	2	0.567
Total	$S = 11.0282 > 5$ $S_{recent} = 5.8938 > 2.5$				

B. Citari în reviste științifice cu scorul relativ de influență mai mare sau egal cu 0.5

Nr. Crt.	Articolul citat	Revista și articolul în care a fost citat	s_i
1.	Adrian Sandovici , Henk de Snoo, Henrik Winkler, Ascent, descent, nullity, defect, and related notions for linear relations in linear spaces Linear Algebra and its Applications 423, 456-497, 2007	T. Alvarez, On regular linear relations, Acta Mathematica Sinica , English Series January 2012, Volume 28, Issue 1, pp 183-194	0.577

2.		<p>Teresa Álvarez, Aymen Ammar, Aref Jeribi On the essential spectra of some matrix of linear relations, Mathematical Methods in the Applied Sciences, Volume 37, Issue 5 30 March 2014 Pages 620-644</p>	0.745
3.		<p>YOSRA CHAMKHA (Sfax) and MAHER MNIF (Sfax), Browder spectra of upper triangular matrix linear relations, Publ. Math. Debrecen 82/3-4 (2013), 569-590 DOI: 10.5486/PMD.2013.5300</p>	0.587
4.		<p>Teresa Alvarez, Aymen Ammar, Aref Jeribi, A characterization of some subsets of S-essential spectra of a multivalued linear operator Colloquium Mathematicum, 135 (2014) , 171-186.</p>	0.575
5.		<p>Diane L. Wilcox Essential spectra of linear relations Linear Algebra and its Applications Volume 462, 1 December 2014, Pages 110-125</p>	1.114
6.		<p>F. Abdmouleh, T. Alvarez, A. Ammar, A. Jeribi, Spectral Mapping Theorem for Rakocevic and Schmoeger Essential Spectra of a Multivalued Linear Operator, Mediterranean Journal of Mathematics July 2015, Volume 12, Issue 3, pp 1019-1031.</p>	0.572

7.		<p>Aymen Ammar, A Characterization of Some Subsets of Essential Spectra of a Multivalued Linear Operator Complex Analysis and Operator Theory January 2017, Volume 11, Issue 1, pp 175-196.</p>	0.756
8.		<p>Thomas Berger, Carsten Trunk, Henrik Winkler, Linear relations and the Kronecker canonical form Linear Algebra and its Applications Volume 488, 1 January 2016, Pages 13-44</p>	1.114
9.		<p>T. Alvarez, M. Benharat, Relationship Between the Kato Spectrum and the Goldberg Spectrum of a Linear Relation, Mediterranean Journal of Mathematics, February 2016, Volume 13, Issue 1, pp 365-378.</p>	0.572
10.		<p>T. Alvarez ,F. Fakhfakh, M. Mnif, Coperturbation function and lower semi-Browder multivalued linear operators, Linear and Multilinear Algebra Volume 61, 2013 - Issue 4, Pages 494-516</p>	1.018

11.		<p>Aymen AmmarAref JeribiEmail authorBilel Saadaoui, Frobenius-Schur Factorization for Multivalued 2×2 Matrices Linear Operator, Mediterranean Journal of Mathematics, February 2017, 14:29.</p>	0.572
12.		<p>Y. Chamkha, M. Mnif, The Class of B-Fredholm Linear Relations, Complex Analysis and Operator Theory, December 2015, Volume 9, Issue 8, pp 1681-1699</p>	0.756
13.		<p>Z. Garbouj, H. Skhiri, Minimum modulus, perturbation for essential ascent and descent of a closed linear relation in Hilbert spaces, Acta Mathematica Hungarica April 2017, Volume 151, Issue 2, pp 328-360</p>	0.537
14.		<p>T. ALVAREZ and D. WILCOX, THE BAIRE PROPERTY AND THE DOMAIN OF ITERATES OF A PARACOMPLETE LINEAR RELATION, Journal of Operator Theory Vol. 66, No. 2 (Fall 2011), pp. 451-464.</p>	1.134

15.		<p>T. Alvarez, Y. Chamkha, M. Mnif, Left- and Right-Atkinson Linear Relation Matrices, Mediterranean Journal of Mathematics August 2016, Volume 13, Issue 4, pp 2039-2059.</p>	0.572
16.		<p>T. Alvarez, S. Keskes, M. Mnif, On essentially semi regular linear relations, Linear Algebra and its Applications, Volume 530, 1 October 2017, Pages 518-540.</p>	1.114
17.		<p>G. Ren, Stability of index for linear relations and its applications, Indagationes Mathematicae, Volume 29, Issue 2, April 2018, Pages 657-670.</p>	0.995
18.		<p>H. Bouaniza, Y. Chamkha, M. Mnif, Perturbation of semi-Browder linear relations by commuting Riesz operators, Linear and Multilinear Algebra Volume 66, 2018 - Issue 2, Pages 285-308.</p>	1.018

19.		<p>T. Alvarez, Pseudo B-Fredholm linear relations and spectral theory, Monatshefte für Mathematik, April 2018, Volume 185, Issue 4, pp 541-555</p>	1.124
20.		<p>A. Ammar Some results on semi-Fredholm perturbations of multivalued linear operators, Linear and Multilinear Algebra Volume 66, 2018 - Issue 7, Pages 1311-1332.</p>	1.018
21.		<p>F. Fakhfakh Perturbations Results for Some Classes Related to Browder Linear Relations and Applications, Complex Analysis and Operator Theory, 2017, pp 1-16.</p>	0.756
22.		<p>Teresa Álvarez Gap formulas for closed linear relations Mathematical Methods in the Applied Sciences Volume 38, Issue 9 June 2015 Pages 1838-1846</p>	0.745
23.		<p>T. Alvarez, Quasi-Fredholm and Semi-B-Fredholm Linear Relations, Mediterranean Journal of Mathematics, February 2017, 14:22.</p>	0.572

24.		<p>T. Alvarez, Browder Riesz-Schauder theory for polynomially finite rank linear relations, Colloquium Mathematicum, VOL. 134 2014 NO. 1 131-141.</p>	0.575
25.	<p>A Sandovici, H de Snoo An index formula for the product of linear relations Linear Algebra and its Applications 431 (11), 2160-2171, 2009</p>	<p>Teresa Álvarez, Aymen Ammar, Aref Jeribi On the essential spectra of some matrix of linear relations, Mathematical Methods in the Applied Sciences, Volume 37, Issue 5 30 March 2014 Pages 620-644</p>	0.745
26.		<p>YOSRA CHAMKHA (Sfax) and MAHER MNIF (Sfax), Browder spectra of upper triangular matrix linear relations, Publ. Math. Debrecen 82/3-4 (2013), 569-590 DOI: 10.5486/PMD.2013.5300</p>	0.587
27.		<p>F. Abdmouleh, T. Alvarez, A. Ammar, A. Jeribi, Spectral Mapping Theorem for Rakocevic and Schmoeger Essential Spectra of a Multivalued Linear Operator, Mediterranean Journal of Mathematics July 2015, Volume 12, Issue 3, pp 1019-1031.</p>	0.572

28.		<p>Aymen Ammar, A Characterization of Some Subsets of Essential Spectra of a Multivalued Linear Operator Complex Analysis and Operator Theory January 2017, Volume 11, Issue 1, pp 175-196.</p>	0.756
29.		<p>T. Alvarez, F. Fakhfakh, M. Mnif, Copturbation function and lower semi-Browder multivalued linear operators, Linear and Multilinear Algebra, Volume 61, 2013 - Issue 4, Pages 494-516.</p>	1.018
30.		<p>Z. Garbouj, H. Skhiri, Minimum modulus, perturbation for essential ascent and descent of a closed linear relation in Hilbert spaces, Acta Mathematica Hungarica April 2017, Volume 151, Issue 2, pp 328-360</p>	0.537
31.		<p>T. Alvarez, Y. Chamkha, M. Mnif, Left- and Right-Atkinson Linear Relation Matrices, Mediterranean Journal of Mathematics August 2016, Volume 13, Issue 4, pp 2039-2059.</p>	0.572

32.		T. Alvarez, S. Keskes, M. Mnif, On essentially semi regular linear relations, Linear Algebra and its Applications , Volume 530, 1 October 2017, Pages 518-540.	1.114
33.		T. Alvarez, Pseudo B-Fredholm linear relations and spectral theory, Monatshefte für Mathematik , April 2018, Volume 185, Issue 4, pp 541-555	1.124
34.		F. Fakhfakh Perturbations Results for Some Classes Related to Browder Linear Relations and Applications, Complex Analysis and Operator Theory , 2017, pp 1-16.	0.756
35.		Teresa Álvarez Gap formulas for closed linear relations Mathematical Methods in the Applied Sciences Volume 38, Issue 9 June 2015 Pages 1838-1846	0.745
36.		T. ALVAREZ, STRICTLY SINGULAR PERTURBATION OF ALMOST SEMI- FREDHOLM LINEAR RELATIONS IN NORMED SPACES, Glasgow Mathematical Journal , Volume 56, Issue 1 January 2014 , pp. 211-219.	0.720

37.		<p>T. Alvarez, Quasi-Fredholm and Semi-B-Fredholm Linear Relations, Mediterranean Journal of Mathematics, February 2017, 14:22.</p>	0.572
38.		<p>T. Alvarez, Browder Riesz-Schauder theory for polynomially finite rank linear relations, Colloquium Mathematicum, VOL. 134 2014 NO. 1 131-141.</p>	0.575
39.	<p>Seppo Hassi, Adrian Sandovici, H De Snoo, Henrik Winkler, A general factorization approach to the extension theory of nonnegative operators and relations Journal of Operator Theory 58 (2), 351-386, 2007.</p>	<p>F Gesztesy, M Mitrea A description of all self-adjoint extensions of the Laplacian and Krein-type resolvent formulas on non-smooth domains, Journal d'Analyse Mathématique, 2011 - Springer 113: 53. doi:10.1007/s11854-011-0002-2</p>	2.008
40.		<p>V. Derkach, S. Hassi, M. Malamud, H. de Snoo, Boundary relations and generalized resolvents of symmetric operators, Russian Journal of Mathematical Physics, March 2009, Volume 16, Issue 1, pp 17-60.</p>	0.642

41.		<p>MS Ashbaugh, F Gesztesy, M Mitrea, G Teschl Spectral theory for perturbed Krein Laplacians in nonsmooth domains Advances in Mathematics, Volume 223, Issue 4, 1 March 2010, Pages 1372–1467</p>	3.217
42.		<p>Seppo Hassi and Sergii Kuzhel, On J-self-adjoint operators with stable C- symmetries, Proceedings of the Royal Society of Edinburgh Section A: Mathematics, Volume 143, Issue 1 February 2013, pp. 141-167</p>	1.975
43.		<p>Z. Tarcsay, Operator extensions with closed range, Acta Mathematica Hungarica 135 (4), 325-341</p>	0.537
44.		<p>Seppo Hassi, Sergii Kuzhel, On symmetries in the theory of finite rank singular perturbations Journal of Functional Analysis 256 (2009) 777–809</p>	2.683
45.		<p>Z Sebestyén, J Stochel, On suboperators with codimension one domains, Journal of Mathematical Analysis and Applications, Volume 360, Issue 2, 15 December 2009, Pages 391-397</p>	1.164

46.		<p>Henk de Snoo, Andreas Fleige, Seppo Hassi and Henrik Winkler, Non-semi-bounded closed symmetric forms associated with a generalized Friedrichs extension, Proceedings of the Royal Society of Edinburgh Section A: Mathematics, Volume 144, Issue 4 August 2014, pp. 731-745</p>	1.975
47.		<p>Petr Zemánek, Stephen Clark, Characterization of self-adjoint extensions for discrete symplectic systems Journal of Mathematical Analysis and Applications Volume 440, Issue 1, 1 August 2016, Pages 323-350</p>	1.164
48.	<p>JP Labrousse, A Sandovici, HSV De Snoo, H Winkler The Kato decomposition of quasi-Fredholm relations Oper. Matrices 4 (1), 1-51, 2010</p>	<p>Teresa Álvarez, Aymen Ammar, Aref Jeribi On the essential spectra of some matrix of linear relations, Mathematical Methods in the Applied Sciences, Volume 37, Issue 5 30 March 2014 Pages 620-644</p>	0.745
49.		<p>T. Alvarez, Small perturbation of normally solvable relations, Publ. Math. Debrecen, 80/1-2 (2012), 155-168.</p>	0.587

50.		E. Chafai, M. Mnif, Perturbation of normally solvable linear relations in paracomplete spaces, Linear Algebra and its Applications , Volume 439, Issue 7, 1 October 2013, Pages 1875-1885.	1.114
51.		T. Alvarez, M. Benharat, Relationship Between the Kato Spectrum and the Goldberg Spectrum of a Linear Relation, Mediterranean Journal of Mathematics , February 2016, Volume 13, Issue 1, pp 365-378.	0.572
52.		Aymen AmmarAref JeribiEmail authorBilel Saadaoui, Frobenius-Schur Factorization for Multivalued 2x2 Matrices Linear Operator, Mediterranean Journal of Mathematics , February 2017, 14:29.	0.572
53.		Y. Chamkha, M. Mnif, The Class of B-Fredholm Linear Relations, Complex Analysis and Operator Theory , December 2015, Volume 9, Issue 8, pp 1681-1699	0.756
54.		Z. Garbouj, H. Skhiri, Minimum modulus, perturbation for essential ascent and descent of a closed linear relation in Hilbert spaces, Acta Mathematica Hungarica April 2017, Volume 151, Issue 2, pp 328-360	0.537

55.		<p>T. Alvarez, Y. Chamkha, M. Mnif, Left- and Right-Atkinson Linear Relation Matrices, Mediterranean Journal of Mathematics August 2016, Volume 13, Issue 4, pp 2039-2059.</p>	0.572
56.		<p>T. Alvarez, S. Keskes, M. Mnif, On essentially semi regular linear relations, Linear Algebra and its Applications, Volume 530, 1 October 2017, Pages 518-540.</p>	1.114
57.		<p>A. Ammar, Aref Jeribi, B. Saadaoui, A characterization of essential pseudospectra of the multivalued operator matrix, Analysis and Mathematical Physics, September 2018, Volume 8, Issue 3, pp 325-350</p>	0.994
58.		<p>T. Alvarez, Pseudo B-Fredholm linear relations and spectral theory, Monatshefte für Mathematik, April 2018, Volume 185, Issue 4, pp 541-555</p>	1.124

59.		M. Ayadi, H. Baklouti, Positive linear relations between Riesz spaces, Positivity , December 2016, Volume 20, Issue 4, pp 917-927	0.787
60.		T. Alvarez, Quasi-Fredholm and Semi-B-Fredholm Linear Relations, Mediterranean Journal of Mathematics , February 2017, 14:22.	0.572
61.	S. Hassi, A. Sandovici , H.S.V. de Snoo, H. Winkler, Form sums of nonnegative selfadjoint operators ACTA MATHEMATICA HUNGARICA Volume: 111 Issue: 1-2 Pages: 81--105, Published: APR 2006.	S. Hassi, Z. Sebestyen, H. S. V. De Snoo, F. H. Szafraniec, A canonical decomposition for linear operators and linear relations, Acta Mathematica Hungarica , June 2007, Volume 115, Issue 4, pp 281-307.	0.537
62.		J. Behrndt, S. Hassi, H. de Snoo and R. Wietsma, Monotone convergence theorems for semi-bounded operators and forms with applications, Proceedings of the Royal Society of Edinburgh Section A: Mathematics Volume 140, Issue 5 October 2010 , pp. 927-951	1.975
63.		D. Popovici, Z. Sebestyen Factorizations of linear relations, Advances in Mathematics , Volume 233, Issue 1, 30 January 2013, Pages 40- 55.	3.217

64.		J. Behrndt, S. Hassi, H. de Snoo and R. Wietsma, Limit properties of monotone matrix functions, Linear Algebra and its Applications , 436 (2012) 935-953.	1.114
65.		J. Behrndt, S. Hassi, H. de Snoo and R. Wietsma, Antitonicity of the inverse for selfadjoint matrices, operators, and relations Proc. Amer. Math. Soc. 142 (2014), 2783-2796.	1.310
66.		K.H. Forster, M.M. Nafalska, A factorization of extremal extensions with applications to block operator matrices, Acta Mathematica Hungarica , October 2010, Volume 129, Issue 1-2, pp 112-141	0.537
67.		Z. Tarcsay, On form sums of positive operators, Acta Mathematica Hungarica July 2013, Volume 140, Issue 1-2, pp 187-201	0.537
68.		R. Casana, A.R. Gomes, F.C. Simas, Trapping Spin-0 particles on p-balls in $(D, 1)$ dimensions, Journal of High Energy Physics , June 2015, 2015:135.	1.145
69.		T. ALVAREZ On the Moore-Penrose inverse of a closed linear relation Publ. Math. Debrecen 85/1-2 (2014), 59-72.	0.587

70.	A. Sandovici, Some basic properties of polynomials in a linear relation in linear spaces, Operator Theory in Inner Product Spaces, 231-240.	T. Alvarez, On regular linear relations, Acta Mathematica Sinica , English Series January 2012, Volume 28, Issue 1, pp 183-194	0.577
71.		T.Ya. Azizov, J. Behrndt, C. Trunk, On finite rank perturbations of definitizable operators, J. Math. Anal. Appl. 339 (2008) 1161-1168	1.164
72.		YOSRA CHAMKHA (Sfax) and MAHER MNIF (Sfax), Browder spectra of upper triangular matrix linear relations, Publ. Math. Debrecen 82/3-4 (2013), 569-590 DOI: 10.5486/PMD.2013.5300	0.587
73.		F. Abdmouleh, T. Alvarez, A. Ammar, A. Jeribi, Spectral Mapping Theorem for Rakocevic and Schmoeger Essential Spectra of a Multivalued Linear Operator, Mediterranean Journal of Mathematics July 2015, Volume 12, Issue 3, pp 1019-1031.	0.572
74.		Z. Garbouj, H. Skhiri, Minimum modulus, perturbation for essential ascent and descent of a closed linear relation in Hilbert spaces, Acta Mathematica Hungarica April 2017, Volume 151, Issue 2, pp 328-360	0.537

75.		T. ALVAREZ and D. WILCOX, THE BAIRE PROPERTY AND THE DOMAIN OF ITERATES OF A PARACOMPLETE LINEAR RELATION Journal of Operator Theory , Vol. 66, No. 2 (Fall 2011), pp. 451-464	1.134
76.		T. Alvarez, S. Keskes, M. Mnif, On essentially semi regular linear relations, Linear Algebra and its Applications , Volume 530, 1 October 2017, Pages 518-540.	1.114
77.		M. Ayadi, H. Baklouti, Positive linear relations between Riesz spaces, Positivity , December 2016, Volume 20, Issue 4, pp 917-927	0.787
78.		T. Alvarez, Quasi-Fredholm and Semi-B-Fredholm Linear Relations, Mediterranean Journal of Mathematics , February 2017, 14:22.	0.572
79.	A Sandovici , H De Snoo, H Winkler The structure of linear relations in Euclidean spaces Linear algebra and its applications 397, 141-169, 2005	T. Berger, A. Ilchmann, S. Trenn, The quasi-Weierstraß form for regular matrix pencils, Linear Algebra and its Applications , Volume 436, Issue 10, 15 May 2012, Pages 4052- 4069	1.114

80.		T. Berger and S. Trenn, The Quasi-Kronecker Form For Matrix Pencils, SIAM J. Matrix Anal. & Appl. , 33(2), 336-368.	2.994
81.		T. Berger, C. Trunk, H. Winkler Linear relations and the Kronecker canonical form, Linear Algebra and its Applications , Volume 488, 1 January 2016, Pages 13-44	1.114
82.		Y. Chamkha, M. Mnif, The Class of B-Fredholm Linear Relations, Complex Analysis and Operator Theory , December 2015, Volume 9, Issue 8, pp 1681-1699	0.756
83.		T. Alvarez, Pseudo B-Fredholm linear relations and spectral theory, Monatshefte fur Mathematik , April 2018, Volume 185, Issue 4, pp 541-555	1.124
84.		M. Ayadi, H. Baklouti, Positive linear relations between Riesz spaces, Positivity , December 2016, Volume 20, Issue 4, pp 917-927	0.787

85.	O.V. Iftime, A. Sandovici , G. Golo, Tools for analysis of Dirac structures on Banach spaces, Decision and Control, 2005 and 2005 European Control Conference. CDC- ECC-05.	A. Macchelli, Dirac structures on Hilbert spaces and boundary control of distributed port-Hamiltonian systems, Systems & Control Letters , Volume 68, June 2014, Pages 43-50	2.217
86.	O.V. Iftime, A. Sandovici , Interconnection of Dirac structures via kernel/image representation American Control Conference (ACC), 2011, 3571-3576.	A. Macchelli, Dirac structures on Hilbert spaces and boundary control of distributed port-Hamiltonian systems, Systems & Control Letters , Volume 68, June 2014, Pages 43-50	2.217
87.	S. Hassi, A. Sandovici , H. De Snoo, H. Winkler Extremal extensions for the sum of nonnegative selfadjoint relations Proceedings of the American Mathematical Society 135 (10), 3193- 3204, 2007	M. Moller and F.H. Szafraniec, Adjoints and formal adjoints of matrices of unbounded operators, Proc. Amer. Math. Soc. 136 (2008), 2165-2176.	1.310
88.		S. Hassi, H.S.V.de Snoo, F.H. Szafraniec, Infinite-dimensional perturbations, maximally nondensely defined symmetric operators, and some matrix representations, Indagationes Mathematicae Volume 23, Issue 4, December 2012, Pages 1087- 1117	0.995

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Candidat: SANDOVICI VALERICA-ADRIAN

Semnatura:

A Sandovici

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMATICII
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