Fişa de verificare a îndeplinirii standardelor minimale naţionale pentru obţinerea atestatului de abilitare
(Panel 1 - Matematică)

Conf.dr. Dan LASCU

Standarde minimale: S ≥ 5; S_recent ≥ 2.5; C ≥ 12

Punctaje realizate: S = 5.0882; S_recent=2.9725; C=20

Articole publicate în reviste care au maximul factorilor SRI din ultimele cinci liste publicate (anii 2015-2019) mai mare sau egal cu 0.5:

Nr. crt.	Autori, Titlu articol, Referinţa bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1.	Kawamura K., **Lascu D.**, Colţescu I., *Jump transformations and embedding of O_∞ into O_2*, Journal of Mathematical Physics **50** (1), pp.033501-1 – 033501-12 (2009), ISSN 0022-2488 https://doi.org/10.1063/1.3081386	Nu	0.998 (2016)	3	0.3326
2.	Kawamura K., Hayashi Y., **Lascu D.**, *Continued Fraction Expansions and Permutative Representations of the Cuntz Algebra O_∞*, Journal of Number Theory **129** (12), pp.3069-3080 (2009), ISSN 0022-314X https://doi.org/10.1016/j.jnt.2009.06.003	Nu	0.989 (2018)	3	0.3296
3.	**Lascu D.**, *A Gauss-Kuzmin-type problem for a family of continued fraction expansions*, Journal of Number Theory **133**, pp.2153-2181 (2013), ISSN 0022-314X https://doi.org/10.1016/j.jnt.2012.12.007	Da	0.989 (2018)	1	0.9890
4.	**Lascu D.**, *Dependence with complete connections and the Gauss-Kuzmin theorem for N-continued fractions*, Journal of Mathematical Analysis and Applications **444**(1), pp.610-623 (2016), ISSN 0022-247X https://doi.org/10.1016/j.jmaa.2016.06.046	Da	1.164 (2018)	1	1.1640
5.	**Lascu D.**, Nicolae F., *A Gauss-Kuzmin-type theorem for θ-expansions*, Publicationes Mathematicae Debrecen **91**(3-4), pp.281-295 (2017), ISSN 0033-3883 **DOI:** 10.5486/PMD.2017.7543, http://publi.math.unideb.hu/load_jpg.php?p=2175	Da	0.650 (2019)	2	0.3250
6.	Sebe, G.I., **Lascu D.**, *On convergence rate in the Gauss-Kuzmin problem for θ-expansions*, Journal of Number Theory **195**, pp.51-71 (2019), ISSN 0022-314X https://doi.org/10.1016/j.jnt.2018.05.018	Da	0.989 (2018)	2	0.4945
7.	**Lascu D.**, Sebe, G.I., *A dependence with complete connections approach to generalized Rényi continued fractions*, Acta Mathematica Hungarica **160**(2), pp.292-313 (2020), ISSN 0236-5294, https://doi.org/10.1007/s10474-019-00974-x	Nu	0.632 (2019)	2	0.3160
8.	**Lascu D**., Sebe, G.I., *A Gauss-Kuzmin-Lévy theorem for Rényi-type continued fractions*, Acta Arithmetica **193**(3), pp.283-292 (2020), ISSN 0065-1036 DOI: 10.4064/aa181009-18-2	Nu	1.040 (2018)	2	0.5200
9.	Sebe, G.I., **Lascu D.**, *Convergence rate for Rényi-type continued fraction expansions*, Periodica Mathematica Hungarica, 2020, https://doi.org/10.1007/s10998-020-00325-2	Nu	0.585 (2016)	2	0.2925

10.	Sebe, G.I., **Lascu D.**, *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Publicationes Mathematicae Debrecen **96** (3-4), pp.291-314 (2020), ISSN 0033-3883, **DOI**: 10.5486/PMD.2020.8536 http://publi.math.unideb.hu/load_jpg.php?p=2371	Nu	0.650 (2019)	2	0.3250
TOTAL S = 5.0882		**S_recent = 2.9725**			

Citări provenite de la articole ştiinţifice care au maximul factorilor SRI din ultimele cinci liste publicate (anii 2015-2019) mai mare sau egal cu 0.5:

Nr. crt.	Articolul citat	Articolul care citează	s_i
1.	Kawamura K., **Lascu D.**, Colţescu I. (2009) *Jump transformations and embedding of O_∞ into O_2*, Journal of Mathematical Physics 50 (1), pp. 033501-1 – 033501-12	Kawamura K., *Universal fermionization of bosons on permutative representations of the Cuntz algebra O_2*, Journal of Mathematical Physics 50(5): 053521, 9 (2009) https://doi.org/10.1063/1.3131688	0.998 (2016)
2.		Kawamura K., *Pure states on Cuntz algebras arising from geometric progressions*, Algebras and Representation Theory 19(6), pp.1297-1319 (2016), https://doi.org/10.1007/s10468-016-9619-2	1.212 (2017)
3.		Christopher Linden, *Slow continued fractions and permutative representations of O_N*, Canadian mathematical bulletin (2020) https://doi.org/10.4153/S0008439519000821	0.719 (2015)
4.	Kawamura K., Hayashi Y., **Lascu D.** (2009) *Continued Fraction Expansions and Permutative Representations of the Cuntz Algebra O_∞*, Journal of Number Theory 129 (12), pp. 3069–3080	Dutkay D.E., Jorgensen P.E.T., *Representations of Cuntz algebras associated to quasi-stationary Markov measures*, Ergodic Theory and Dynamical Systems 35(7), pp. 2080 - 2093 (2014) https://doi.org/10.1017/etds.2014.37.	2.077 (2016)
5.		Dutkay D.E., Haussermann J., Jorgensen P.E.T., *Atomic representations of Cuntz algebras*, Journal of Mathematical Analysis and Applications 421(1), pp. 215-243 (2015) https://doi.org/10.1016/j.jmaa.2014.07.005	1.164 (2018)
6.		Kawamura K., *Classification of sub-Cuntz states*, Algebras and Representation Theory 18 (2) pp. 555-584 (2015) https://doi.org/10.1007/s10468-014-9509-4	1.212 (2017)
7.		Kawamura K., *Pure states on Cuntz algebras arising from geometric progressions*, Algebras and Represention Theory 19(6), pp.1297-1319 (2016) https://doi.org/10.1007/s10468-016-9619-2	1.212 (2017)
8.		Hartmann M., Waldhauser T., *On strong affine representations of the polycyclic monoids*, Semigroup Forum 97(1), pp. 87-114 (2018) https://doi.org/10.1007/s00233-017-9889-y	0.752 (2016)
9.		Dutkay, D.E., Picioroaga G., Silvestrov S., *On generalized Walsh bases*, Acta Applicandae Mathematicae **163**(1), pp. 73-90 (2019) https://doi.org/10.1007/s10440-018-0214-x	0.972 (2019)

10.		Farsi, C., Gillaspy, E., Jorgensen, P. et al., *Purely atomic representations of higher-rank graph C*-algebras*, Integral Equations and Operator Theory (2018) 90:67 https://doi.org/10.1007/s00020-018-2493-z	1.293 (2018)
11.		Gonçalves, D., Royer, D., *Irreducible and permutative representations of ultragraph Leavitt path algebras*, Forum Mathematicum **32**(2), pp.417-431 (2020), https://doi.org/10.1515/forum-2019-0270	1.503 (2017)
12.		Christopher Linden, *Slow continued fractions and permutative representations of O_N*, Canadian mathematical bulletin (2020) https://doi.org/10.4153/S0008439519000821	0.719 (2015)
13.	**Lascu D.** (2014) *A Gauss-Kuzmin Theorem For Continued Fractions Associated With Non-Positive Integer Powers Of An Integer m≥2*, The Scientific World Journal, vol. 2014, Article ID 984650, 8 pages	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.989 (2018)
14.		Borwein J. M., Calkin N. J., Lindstrom S. B., Mattingly, A., *Continued Logarithms And Associated Continued Fractions*, Experimental Mathematics 26(4), pp.412-429 (2017) https://doi.org/10.1080/10586458.2016.1195307	1.530 (2017)
15.	**Lascu D.** (2013) *A Gauss-Kuzmin-type problem for a family of continued fraction expansions*, Journal of Number Theory 133, pp.2153-2181	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.989 (2018)
16.	Sebe, G.I., **Lascu D.** (2014) *A Gauss-Kuzmin theorem and related questions for θ-expansions*, Journal of Function Spaces, vol. 2014, Article ID 980461, 12 pages	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.989 (2018)
17.	**Lascu D.**, Nicolae F. (2017) *A Gauss-Kuzmin-type theorem for θ-expansions*, Publicationes Mathematicae Debrecen 91, pp. 1-15	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.989 (2018)
18.	**Lascu D.** (2016) *Dependence with complete connections and the Gauss-Kuzmin theorem for N-continued fractions*, Journal of Mathematical Analysis and Applications 444, pp. 610–623	Kraaikamp C., Langeveld N. (2017), *Invariant measures for continued fraction algorithms with finitely many digits*, Journal of Mathematical Analysis and Applications 454(1), pp. 106-126 https://doi.org/10.1016/j.jmaa.2017.04.067	1.164 (2018)
19.		Peng Sun (2018), *A generalization of Gauss-Kuzmin-Lévy theorem*, Acta Mathematica Scientia 38 (3) pp. 965-972 https://doi.org/10.1016/S0252-9602(18)30796-3	0.522 (2019)
20.	**LASCU D.** (2017) *Metric properties of N-continued fractions*, Mathematical Reports 19(69) 2, pp. 165-181	Peng Sun (2018), *A generalization of Gauss-Kuzmin-Lévy theorem*, Acta Mathematica Scientia 38 (3) pp. 965-972 https://doi.org/10.1016/S0252-9602(18)30796-3	0.522 (2019)
TOTAL		**C = 20**