Universitatea *Transilvania* din Braşov
Facultatea de Matematică și Informatică
Departamentul de Matematică și Informatică
Conf. univ. dr. Nicoleta VOICU

FIŞA DE AUTOEVALUARE PRIVIND ÎNDEPLINIRIEA STANDARDELOR MINIMALE OBLIGATORII PENTRU ACORDAREA ATESTATULUI DE ABILITARE ÎN DOMENIUL MATEMATICĂ

Fişa de verificare a îndeplinirii standardelor minimale din Anexa 1 din ORDINUL nr. 6129 din 20 decembrie 2016, publicat în Monitorul Oficial, nr. 123/15.02.2017

Punctaj standarde naționale: S =9,58; S_{recent}=5,098; C =60

I. Tabel publicatii

Nr. crt.	Articolul, Referința bibliografică	Publicat in ultimii 7 ani	s_i scor relativ de influență	n_i nr. autori	s_i/n_i
1	M. Hohmann, C. Pfeifer, N. Voicu, *Mathematical foundations for field theories on Finsler spacetimes,* Journal of Mathematical Physics 63, 032503 (2022), https://aip.scitation.org/doi/10.1063/5.0065944		**0,988 (iunie 2019)**	**3**	**0,329**
2	**N. Voicu**, S. Garoiu, B. Vasian, *On the closure property of Lepage equivalents of Lagrangians,* Differential Geometry and its Applications 81, 101852 (2022), https://www.sciencedirect.com/science/article/abs/pii/S0926224522000055		**0,939 (iunie 2018)**	**3**	**0,313**
3	M. Hohmann, C. Pfeifer, **N. Voicu,** *Canonical variational completion and 4D Gauss–Bonnet gravity*, European Physical Journal Plus 136**,** 180 (2021), https://link.springer.com/article/10.1140/epjp/s13360-021-01153-0	**X**	**1,109 (iunie 2018)**	**3**	**0,369**
4	N. Minculete, C. Pfeifer, **N. Voicu,** *Inequalities from Lorentz-Finsler norms,* Mathematical Inequalities & Applications 24(2), 373–398 (2021), http://mia.ele-math.com/24-26/Inequalities-from-Lorentz-Finsler-norms	**X**	**0,761 (iunie 2022)**	**3**	**0,253**

5	M. Hohmann, C. Pfeifer, **N. Voicu,** *Relativistic kinetic gases as direct sources of gravity*, Physical Review D 101, 024062 (2020), https://journals.aps.org/prd/abstract/10.1103/PhysRevD.101.024062	X	1,493 **(iunie 2022)**	3	0,497
6	M. Hohmann, C. Pfeifer, **N. Voicu,** *The kinetic gas universe,* European Physical Journal C 80, 809 (2020), https://link.springer.com/article/10.1140/epjc/s10052-020-8391-y	X	1,510 **(iunie 2020)**	3	0,503
7	M. Hohmann, C. Pfeifer, **N. Voicu**, *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), https://www.mdpi.com/2218-1997/6/5/65	X	0,863 **(iunie 2019)**	3	0,287
8	A. Fuster, S. Heefer, C. Pfeifer, **N. Voicu,** *On the non-metrizability of Berwald Finsler spacetimes*, Universe 6 (5), 64 (2020), https://www.mdpi.com/2218-1997/6/5/64	X	0,863 **(iunie 2019**	4	0,215
9	M. Hohmann, C. Pfeifer, **N. Voicu,** *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.064035	X	1,493 **(iunie 2022)**	3	0,497
10	**N. Voicu,** *Conformal maps between pseudo-Finsler spaces,* International Journal of Geometric Methods in Modern Physics 15(01), 1850003 (2018), https://www.worldscientific.com/doi/10.1142/S0219887818500032	X	0,515 **(iunie 2021)**	1	0,515
11	**N. Voicu,** *Volume forms for time orientable spacetimes,* Journal of Geometry and Physics 112 (2017) 85–94**,** https://www.sciencedirect.com/science/article/pii/S0393044016302741	X	0,953 **(iunie 2022)**	1	0,953
12	**N. Voicu,** *Energy-momentum tensors in classical field theories – a modern perspective,* International Journal of Geometric Methods in Modern Physics, 13, 1640001 (2016), https://www.worldscientific.com/doi/abs/10.1142/S0219887816400016	X	0,515 **(iunie 2021)**	1	0,515
13	**N. Voicu,** D. Krupka, *Canonical variational completion of differential equations*, Journal of Mathematical Physics 56, 043507 (2015)*,* https://aip.scitation.org/doi/10.1063/1.4918789	X	0,988 **(iunie 2019)**	2	0,494

14	**N. Voicu**, *Biharmonic curves in Finsler spaces*, Journal of the Korean Mathematical Society 51 (6), 1105–1122 (2014), https://koreascience.kr/article/JAKO201432252667187.kr&sa=U		**0,577 (iunie 2021)**	**1**	**0,577**
15	**N. Voicu**, *Biharmonic maps from Finsler spaces,* Publicationes Mathematicae-Debrecen, 84 / 3-4 (4) (2014), https://publi.math.unideb.hu/load_doc.php?p=1872&t=pap		**0,650 (iunie 2019)**	**1**	**0,650**
16	**N. Voicu**, *Tidal tensors in the description of gravity and electromagnetism,* Journal of Nonlinear Mathematical Physics 19, 1250018 (2012), https://www.worldscientific.com/doi/10.1142/S1402925112500180		**0,784 (iunie 2019)**	**1**	**0,784**
17	**N. Voicu**, *On the fundamental equations of electromagnetism in Finslerian spacetimes,* Progress In Electromagnetics Research, Vol. 113, 83-102 (2011), https://www.jpier.org/PIER/pier.php?paper=10122108		**1,829 (iunie 2022)**	**1**	**1,829**
TOTAL				*S=*	**9,58**
				S$_{recent}$=	**5,098**

NOTĂ: În coloana "Publicat în ultimii 7 ani" se bifează cu X articolele din *I$_{recent}$*

II. Tabel citari *(scorul relativ de influenta – conform listei din iunie 2022)*

Nr. Crt.	Articolul citat	Revista şi articolul unde a fost citat	$s_i > 0,5$
1	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, **N. Voicu**, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012) issncitat:2153120X	E. Minguzzi, Affine sphere spacetimes which satisfy the relativity principle, *Phys. Rev. D 95, 024019 (*2017) https://journals.aps.org/prd/abstract/10.1103/PhysRevD.95.024019 issnciteaza: 15507998	**1,493**
2	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, **N. Voicu**, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012) issncitat:2153120X	A. Fuster, C. Pabst, C. Pfeifer, Berwald spacetimes and very special relativity, *Phys. Rev. D* 98, 084062 (2018) https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.084062 issnciteaza: 15507998	**1,493**
3	**N. Voicu**, *On the fundamental equations of electromagnetism in Finslerian*	A Triantafyllopoulos, PC Stavrinos, Weak field equations and generalized FRW	**2.247**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i>0,5$
	spacetimes, Progress iIn Electromagnetics Research, Vol. 113, 83-102 (2011). issncitat:15598985	cosmology on the tangent Lorentz bundle, *Class. Quantum Grav.* 35 085011 (2018), issnciteaza:02649381 https://iopscience.iop.org/article/10.1088/1361-6382/aab27f/meta	
4	**N. Voicu**, *New considerations on Einstein equations in anisotropic spaces*, AIP Conf. Proc. 1283, 249–257 (2010), issncitat:0094243X	E. Minguzzi, Affine sphere relativity *Communications in Mathematical Physics*, **350**, 749–801 (2017) issnciteaza:00103616 https://link.springer.com/article/10.1007/s00220-016-2802-9	**2.855**
5	**N. Voicu**, *New considerations on Einstein equations in anisotropic spaces*, AIP Conf. Proc. 1283, 249–257 (2010), issncitat:0094243X	A. Fuster, C. Pabst, C. Pfeifer, Berwald spacetimes and very special relativity, *Phys. Rev. D* 98, 084062 (2018) issnciteaza:15507998, https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.084062	**1,493**
6	**N. Voicu**, *Volume forms for time orientable Finsler spacetimes*, Journal of Geometry and Physics 112 (2017) 85–94, issncitat:03930440	A. Triantafyllopoulos, P.C, Stavrinos, Weak field equations and generalized FRW cosmology on the tangent Lorentz bundle, *Classical and Quantum Gravity* 35, 085011 (2018) issnciteaza:02649381 https://iopscience.iop.org/article/10.1088/1361-6382/aab27f/meta	**2.247**
7	M. Rahula, Petr Vasik, **N. Voicu,** *Tangent structures: sector-forms, jets and connections,* Journal of Physics: Conference Series (JPCS) 012023 (2012) issncitat:17426588	G. S. H. Cruttwell, Rory B. B. Lucyshyn-Wright, A simplicial foundation for differential and sector forms in tangent categories, *Journal of Homotopy and Related Structures,* 13, 867–925 (2018) issnciteaza:21938407 https://link.springer.com/article/10.1007%2Fs40062-018-0204-8	**0.845**
8	**N. Voicu,** *Energy-momentum tensors in classical field theories – a modern perspective,* International Journal of Geometric Methods in Modern Physics, 13, 1640001 (2016), issncitat:02198878	J Gaset, N Román-Roy, Multisymplectic unified formalism for Einstein-Hilbert gravity, *Journal of Mathematical Physics* **59**, 032502 (2018) issnciteaza:00222488 https://aip.scitation.org/doi/abs/10.1063/1.4998526	**0.933**
9	**N. Voicu,** *Conformal maps between pseudo-Finsler spaces,* International Journal of Geometric Methods in Modern Physics 15(01), 1850003 (2018) issncitat:02198878	B. Edwards, A. Kostelecky, Riemann–Finsler geometry and Lorentz-violating scalar fields, *Physics Letters B*, 786 (10), 319-326 (2018), issnciteaza:03702693 https://www.sciencedirect.com/science	**2.179**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i > 0,5$
		/article/pii/S0370269318307688	
10	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, **N. Voicu**, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012). issncitat:2153120X	M. Elbistan, P. M. Zhang, N. Dimakis, G. W. Gibbons, P. A. Horvathy, Geodesic motion in Bogoslovsky-Finsler spacetimes, *Phys. Rev. D* 102, 024014 (2020), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.024014#	**1,493**
11	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion*, Physical Review D 100, 064035 (2019), issncitat:24700010	M. Elbistan, P. M. Zhang, N. Dimakis, G. W. Gibbons, P. A. Horvathy, Geodesic motion in Bogoslovsky-Finsler spacetimes, *Phys. Rev. D* 102, 024014 (2020), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.024014#	**1,493**
12	A. Fuster, S. Heefer, C. Pfeifer, **N. Voicu**, *On the non metrizability of Berwald Finsler spacetimes*, Universe 6 (5), 64 (2020), issncitat:22181997	G. W. Gibbons, P. A. Horvathy, Geodesic motion in Bogoslovsky-Finsler spacetimes, *Phys. Rev. D* 102, 024014 (2020), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.024014#	**1,493**
13	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion*, Physical Review D 100, 064035 (2019), issncitat:24700010	G. Minas, G.; E.N. Saridakis, P. Stavrinos, A. Triantafyllopoulos, Bounce Cosmology in Generalized Modified Gravities, *Universe 5*, 74 (2019), issnciteaza:22181997 https://www.mdpi.com/2218-1997/5/3/74	**0,861**
14	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion*, Physical Review D 100, 064035 (2019), issncitat:24700010	S. Ikeda, E. N. Saridakis, P. C. Stavrinos, A. Triantafyllopoulos, Cosmology of Lorentz fiber-bundle induced scalar-tensor theories, *Phys. Rev. D* 100, 124035 (2019) https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.124035	**1,493**
15	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion*, Physical Review D 100, 064035 (2019), issncitat:24700010	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint *Universe 6*(4), 55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	**0,861**
16	A. Fuster, S. Heefer, C. Pfeifer, **N. Voicu**, *On the non metrizability of Berwald Finsler spacetimes*, Universe 6 (5), 64 (2020), issncitat:22181997	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint *Universe 6*(4), 55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	**0,861**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i>0,5$
17	M. Hohmann, C. Pfeifer, **N. Voicu**, *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), issncitat:22181997	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint *Universe 6*(4), 55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	**0,861**
18	M. Hohmann, C. Pfeifer, **N. Voicu,** *Relativistic kinetic gases as direct sources of gravity,* Physical Review D 101, 024062 (2020).	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint *Universe 6*(4), 55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	**0,861**
19	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	M. A. Javaloyes, B. L. Soares *Class. Quantum Grav.*38, 025002 (2021), issnciteaza:02649381 https://iopscience.iop.org/article/10.1088/1361-6382/abc225/meta	**2.247**
20	M. Hohmann, C. Pfeifer, **N. Voicu,** *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	G. Papagiannopoulos, S. Basilakos, A Paliathanasis *et al.,* Dynamics in varying vacuum Finsler–Randers cosmology. *Eur. Phys. J. C* 80**,** 816 (2020) issnciteaza:14346044 https://link.springer.com/article/10.1140/epjc/s10052-020-8351-6	**1,497**
21	M. Hohmann, C. Pfeifer, **N. Voicu,** *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	E. Caponio, A. Masiello, On the Analyticity of Static Solutions of a Field Equation in Finsler Gravity, *Universe 6*, 59 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/59	**0,861**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i>0,5$
22	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	A. Triantafyllopoulos, E. Kapsabelis, P. C. Stavrinos, Gravitational field on the Lorentz tangent bundle: generalized paths and field equations, *The European Physical Journal Plus* 135, 557 (2020), issnciteaza:21905444 https://link.springer.com/article/10.1140/epjp/s13360-020-00570-x	**1,049**
23	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	D. Krupka, Variational principles: Projectability onto Grassmann fibrations *J. Math. Phys. 61*, 123501 (2020), issnciteaza:00222488 https://aip.scitation.org/doi/abs/10.1063/5.0019676	**0,933**
24	M. Hohmann, C. Pfeifer, **N. Voicu**, *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis *et al.,* Schwarzschild-like solutions in Finsler–Randers gravity, *Eur. Phys. J. C* 80, 1200 (2020), issnciteaza:14346044 https://link.springer.com/article/10.1140/epjc/s10052-020-08772-4	**1,497**
25	M. Hohmann, C. Pfeifer, **N. Voicu**, *Relativistic kinetic gases as direct sources of gravity,* Physical Review D 101, 024062 (2020).	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis *et al.,* Schwarzschild-like solutions in Finsler–Randers gravity, *Eur. Phys. J. C* 80, 1200 (2020), issnciteaza:14346044 https://link.springer.com/article/10.1140/epjc/s10052-020-08772-4	**1,497**
26	M. Hohmann, C. Pfeifer, **N. Voicu**, *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), issncitat:22181997	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis *et al.,* Schwarzschild-like solutions in Finsler–Randers gravity, *Eur. Phys. J. C* 80, 1200 (2020), issnciteaza:14346044 https://link.springer.com/article/10.1140/epjc/s10052-020-08772-4	**1,497**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i > 0,5$
27	M. Hohmann, C. Pfeifer, **N. Voicu,** *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat:24700010	C. C. Perelman, The geometrization of quantum mechanics, the nonlinear Klein–Gordon equation, Finsler gravity and phase spaces, *Journal of Geometry and Physics* 162, 104068 (2021), issnciteaza:03930440 https://www.sciencedirect.com/science/article/pii/S0393044020302941	**0,953**
28	M. Hohmann, C. Pfeifer, **N. Voicu**, *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), issncitat:22181997	K. O'Neal-Ault, Q. G. Bailey, N. A. Nilsson, 3 + 1 formulation of the standard model extension gravity sector, *Phys. Rev. D* 103, 044010 (2021), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.103.044010	**1,493**
29	**N. Voicu,** *Volume forms for time orientable spacetimes,* Journal of Geometry and Physics 112, 85–94 (2017), issncitat:03930440	M. A. Javaloyes, M. Sanchez, On the definition and examples of cones and Finsler spacetimes, *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas* 114, 30 (2020), issnciteaza:15787303 https://link.springer.com/article/10.1007/s13398-019-00736-y	**0,935**
30	**N. Voicu,** *Conformal maps between pseudo-Finsler spaces,* International Journal of Geometric Methods in Modern Physics 15(01), 1850003 (2018), issncitat:02198878	M. A. Javaloyes, M. Sanchez, On the definition and examples of cones and Finsler spacetimes, *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas* 114, 30 (2020), issnciteaza:15787303 https://link.springer.com/article/10.1007/s13398-019-00736-y	**0,935**
31	**N. Voicu,** *Energy-momentum tensors in classical field theories – a modern perspective,* International Journal of Geometric Methods in Modern Physics, 13, 1640001 (2016), issncitat:02198878	A. Martinez, J. Font-Segura, I. Colombaro, An exterior-algebraic derivation of the symmetric stress–energy–momentum tensor in flat space–time, *Eur. Phys. J. Plus* 136**,** 212 (2021), issnciteaza:21905444, https://link.springer.com/article/10.1140/epjp/s13360-021-01192-7	**1,049**
32	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, N. Voicu, *Geometrical Models of the Locally*	Zhe Chang, Sai Wang, Constraints on spacetime anisotropy and Lorentz violation from the GRAAL experiment,	**1,497**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	$s_i > 0,5$
	Anisotropic Space-Time, Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	*European Physical Journal C*, 73:2337 (2013), issnciteaza: 1434-6044 http://link.springer.com/article/10.1140%2Fepjc%2Fs10052-013-2337-6	
33	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, N. Voicu, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	Zhe Chang, Ming-Hua Li, Xin Li, Sai Wang: Cosmological model with local symmetry of very special relativity and constraints on it from supernovae, *European Physical Journal C* 73, 2459 (2013), issnciteaza: 1434-6044, http://link.springer.com/article/10.1140%2Fepjc%2Fs10052-013-2459-x	**1,497**
34	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, N. Voicu, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	Zhe Chang Ming-Hua Li Sai Wang: Finsler geometric perspective on the bulk flow in the universe, *Physics Letters B* 723 (4–5), 257–260 (2013), issnciteaza: 0370-2693, https://doi.org/10.1016/j.physletb.2013.05.020	**2.179**
35	N. Voicu, On the fundamental equations of electromagnetism in Finslerian spacetimes, Progress in Electromagnetics Research 113, 83-102 (2011), issncitat:15598985	A.P. Kouretsis, Cosmic magnetization in curved and Lorentz violating space–times, *Eur. Physical Journal C* 74:2879 (2014), issnciteaza:14346044 http://link.springer.com/article/10.1140%2Fepjc%2Fs10052-014-2879-2	**1,497**
36	N. Voicu, On the fundamental equations of electromagnetism in Finslerian spacetimes, Progress in Electromagnetics Research 113, 83-102 (2011), issncitat:15598985	SQ Jia, XM Jiang, MY Xia, Numerical approach for analysis of transient scattering by an accelerated body, *J. of Electromagnetic Waves and Appl*. 26 (5-6), 2012, issnciteaza: 0920-5071 http://www.tandfonline.com/doi/abs/10.1080/09205071.2012.710806#	**0,528**
37	N Voicu, S Siparov, A new approach to electromagnetism in anisotropic spaces, BSG Proceedings 17, 2010, 250-260 issncitat:18432654	E. Barletta, S. Dragomir, Propagation of singularities along characteristics of Maxwells equations, *Physica Scripta 89*, 065203, 2014, issnciteaza: 00318949 http://iopscience.iop.org/1402-4896/89/6/065203/pdf/1402-4896_89_6_065203.pdf	**1,053**
38	**N. Voicu**, *New Considerations on Einstein Equations in Pseudo-Finsler Spaces*, AIP Conference Proceedings, Volume 1283, pp. 249-257 (2010); issncitat:0094243X	E Barletta, S Dragomir, Gravity as a Finslerian Metric Phenomenon, *Foundations of Physics*, 42(3), 436-453 (2012), issnciteaza: 00159018 http://link.springer.com/article/10.1007%2Fs10701-011-9614-8	**0,768**
39	**N. Brinzei**, S. V. Siparov, *Equations of electromagnetism in some special anisotropic spaces*, Hypercomplex Numbers in Geom. and Physics 2 (10), Vol. 5, 44-55 (2008), issncitat:18143954	J Skakala, M Visser, Bi-metric pseudo-Finslerian spacetimes, *J. of Geom. and Physics*, 61 (8), 1396–1400 (2011), issnciteaza: 0393-0440 http://www.sciencedirect.com/science/article/pii/S0393044011000684	**0,953**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	s_i>0,5
40	**N. Brinzei**, S. V. Siparov, *Equations of electromagnetism in some special anisotropic spaces*, Hypercomplex Numbers in Geom. and Physics 2 (10), Vol. 5, 44-55 (2008), issncitat:18143954	J Skakala, M Visser, Pseudo-Finslerian space-times and multirefringence, Int. J. Mod. Phys. D 19, 1119 (2010, issnciteaza: 0218-2718 http://www.worldscientific.com/doi/abs/10.1142/S0218271810017172	**0,760**
41	**N. Brinzei**, S. V. Siparov, *Equations of electromagnetism in some special anisotropic spaces*, Hypercomplex Numbers in Geom. and Physics 2 (10), Vol. 5, 44-55 (2008), issncitat:18143954	V Balan, Spectra of symmetric tensors and m-root Finsler models, *Linear Algebra Appl.* 436 (1), 152–162 (2012), issnciteaza: 00243795 http://www.sciencedirect.com/science/article/pii/S0024379511004824	**1,040**
42	**N. Brinzei,** *Projective relations for m-th root metric spaces,* Journal of the Calcutta Mathematical Society 5(1-2), 21-35 (2009), issncitat:22315314	Yaoyong Yua, Ying You, On Einstein m-th root metrics, *Differential Geometry and its Applications* 28(3), 290–294 (2010) issnciteaza: 09262245 http://www.sciencedirect.com/science/article/pii/S092622450900120X	**0,707**
43	Balan, V., **Brînzei, N.**, Lebedev, S., *Geodesics, connections and Jacobi fields for Berwald-Moor quartic metrics*, Hypercomplex Numbers in Geometry and Physics 2 (6), Vol 3, 113-122 (2006) issncitat:18143954	A Tayebi, M Shahbazi Nia, E Peyghan, On generalized m-th root Finsler metrics, *Linear Algebra and its Appl.*, 437(2), 675–683 (2012), issn 0024-3795 http://www.sciencedirect.com/science/article/pii/S0024379512001802	**1,040**
44	Balan, V., **Brinzei, N.,** *Einstein equations for (h,v) - Berwald-Moor relativistic models*, Balkan Journal of Geometry and Its Applications, vol. 11(2), 20-26 (2006), issncitat:12242780	A. Tayebi. B. Najafi, On m-th root Finsler metrics, *Journal of Geometry and Physics* 61(8), 1479–1484 (2011), issnciteaza:03930440 http://www.sciencedirect.com/science/article/pii/S0393044011000854	**0,953**
45	Balan, V., **Brinzei, N.,** *Einstein equations for (h,v) - Berwald-Moor relativistic models*, Balkan Journal of Geometry and Its Applications, vol. 11(2), 20-26 (2006), issncitat:12242780	A. Tayebi, M. Shahbazi Nia, E. Peyghan, On generalized m-th root finsler metrics, *Linear Algebra and its Appl.* 437(2), 675–683 (2012), issnciteaza: 0024-3795 http://www.sciencedirect.com/science/article/pii/S0024379512001802	**1,040**
46	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, **N. Voicu**, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	J. Foster, R. Lehnert, Classical-physics applications for Finsler b space, *Physics Letters B* 746, 164-170, 2015, issnciteaza:03702693 http://www.sciencedirect.com/science/article/pii/S0370269315002907	**2.179**
47	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, **N. Voicu**, *Geometrical Models of the Locally Anisotropic Space-Time*, Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	Xin Li, Hai-Nan Lin, Sai Wang, Zhe Chang, A unified description for dipoles of the fine-structure constant and SnIa Hubble diagram in Finslerian universe, *The European Physical Journal C* 75, 181 (2015), issnciteaza:14346044 http://link.springer.com/article/10.1140/epjc%2Fs10052-015-3380-2	**1,497**
48	**N. Voicu**, *On the fundamental equations of	J. Foster, R. Lehnert, Classical-physics	**2,179**

Nr. Crt.	Articolul citat	Revista și articolul unde a fost citat	s_i>0,5
	electromagnetism in Finslerian spacetimes, Progress In Electromagnetics Research, Vol. 113, 83-102 (2011)	applications for Finsler b space, *Physics Letters B* 746, 164-170, 2015, issnciteaza:03702693 http://www.sciencedirect.com/science/article/pii/S0370269315002907	
49	**N. Voicu,** *New considerations on Einstein equations in pseudo-Finsler spaces,* AIP Conf. Proceedings 1283, 249-257 (2010). issncitat: 15517616.	E. Minguzzi, Raychaudhuri equation and singularity theorems in Finsler spacetimes, *Classical and Quantum Gravity* 32, 185008 (2015), issnciteaza:02649381 http://iopscience.iop.org/article/10.1088/0264-9381/32/18/185008/meta	**2,247**
50	**N. Voicu,** *Energy-momentum tensors in classical field theories – a modern perspective,* International Journal of Geometric Methods in Modern Physics, 13, 1640001 (2016), issncitat:02198878	D. Canarutto, Overconnections and the energy-tensors of gauge and gravitational fields, *Journal of Geometry and Physics* 106, 192-204 (2016), issnciteaza:03930440 http://www.sciencedirect.com/science/article/pii/S0393044016300717	**0,953**
51	M. Hohmann, C. Pfeifer, **N. Voicu,** *Finsler gravity action from variational completion,* Physical Review D 100, 064035 (2019), issncitat: 2470-0010	R. Hama, T. Harko, S.V. Sabau, Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry, *Eur. Phys. J. C* 82, 385 (2022), issncitat: 1434-6044 https://link.springer.com/article/10.1140/epjc/s10052-022-10318-9	**1,497**
52	M. Hohmann, C. Pfeifer, **N. Voicu,** *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), issncitat:22181997	R. Hama, T. Harko, S.V. Sabau, Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry, *Eur. Phys. J. C* 82, 385 (2022), issncitat: 1434-6044 https://link.springer.com/article/10.1140/epjc/s10052-022-10318-9	**1,497**
53	M. Hohmann, C. Pfeifer, **N. Voicu,** *The kinetic gas universe,* European Physical Journal C 80, 809 (2020), issncitat: 1434-6044	R. Hama, T. Harko, S.V. Sabau, Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry, *Eur. Phys. J. C* 82, 385 (2022), issncitat: 1434-6044 https://link.springer.com/article/10.1140/epjc/s10052-022-10318-9	
54	M. Hohmann, C. Pfeifer, **N. Voicu,** *Cosmological Finsler spacetimes,* Universe 6 (5), 65 (2020), issncitat:22181997	Jie Zhu, Bo-Qiang Ma, Lorentz-violation-induced arrival time delay of astroparticles in Finsler spacetime, *Phys. Rev. D* 105, 124069 (2022), issnciteaza: 2470-0010, https://journals.aps.org/prd/abstract/10.1103/PhysRevD.105.124069	**1,493**
55	M. Hohmann, C. Pfeifer, **N. Voicu,** *Canonical variational completion and 4D Gauss–Bonnet gravity,* European Physical Journal Plus 136, 180 (2021), issncitat:	Pedro G S Fernandes *et al*, The 4D Einstein–Gauss–Bonnet theory of gravity: a review, *Class. Quantum Grav.* 39, 063001 (2022), issnciteaza:	**2,247**

Nr. Crt.	Articolul citat	Revista şi articolul unde a fost citat	$s_i > 0,5$
	21905444	02649381 https://iopscience.iop.org/article/10.1088/1361-6382/ac500a	
56	M. Hohmann, C. Pfeifer, **N. Voicu**, *Canonical variational completion and 4D Gauss–Bonnet gravity*, European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	A. Ali, K. Saifullah, Charged black holes in 4D Einstein–Gauss–Bonnet gravity coupled to nonlinear electrodynamics with maximum allowable symmetries, *Annals of Physics* 437, 168726 (2022) issnciteaza: 0003-4916, https://www.sciencedirect.com/science/article/pii/S0003491621003250	**1,502**
57	M. Hohmann, C. Pfeifer, **N. Voicu**, *Canonical variational completion and 4D Gauss–Bonnet gravity*, European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	A. Belhaj, Y. Sekhmani, Thermodynamics of Ayón-Beato–García–AdS black holes in 4D Einstein–Gauss–Bonnet gravity, *Eur. Phys. J. Plus* 137, 278 (2022), issnciteaza: 21905444, https://link.springer.com/article/10.1140/epjp/s13360-022-02495-z	**1,049**
58	**N. Voicu**, S. Garoiu, B. Vasian, *On the closure property of Lepage equivalents of Lagrangians*, Differential Geometry and its Applications 81, 101852 (2022), issncitat: 0926-2245	M. Palese, O. Rossi, F. Zanello, Geometric integration by parts and Lepage equivalents, *Differential Geometry and its Applications* 81, 101866 (2022), issnciteaza: 0926-2245, https://www.sciencedirect.com/science/article/pii/S0926224522000195	0,707
59	M. Hohmann, C. Pfeifer, **N. Voicu**, *Canonical variational completion and 4D Gauss–Bonnet gravity*, European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	T. Tangphati, A. Pradhan, A. Banerjee, G. Panotopoulos, Anisotropic stars in 4D Einstein–Gauss–Bonnet gravity, *Physics of the Dark Universe* 33, 100877 (2021), issnciteaza: 2212-6864, https://www.sciencedirect.com/science/article/pii/S2212686421001072	1.838
60	M. Hohmann, C. Pfeifer, **N. Voicu**, *Canonical variational completion and 4D Gauss–Bonnet gravity*, European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	S.I. Kruglov, Einstein–Gauss–Bonnet gravity with nonlinear electrodynamics, *Annals of Physics* 428, 168449 (2021), issnciteaza: 0003-4916, https://www.sciencedirect.com/science/article/pii/S0003491621000555	1.502
Total: 60			

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