

FIȘA DE AUTOEVALUARE PRIVIND ÎNDEPLINIRIA STANDARDELOR MINIMALE OBLIGATORII PENTRU OBȚINEREA GRADULUI DE PROFESOR UNIVERSITAR ÎN DOMENIUL MATEMATICĂ

Fișa 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: $S = 11,789$, $S_{\text{recent}} = 5,654$, $C = 60$.

I. Listă publicații:

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	L. Ducobu, N. Voicu, <i>Metric-affine cosmological models and the inverse problem of the calculus of variations. Part 1: variational bootstrapping - the method</i> , European Physical Journal C 84, 585 (2024), https://link.springer.com/article/10.1140/epjc/s10052-024-12899-z		1,510 (iunie 2020)	2	0,755
2	N. Voicu, C. Pfeifer, S. Cheraghchi, <i>Birkhoff Theorem for Berwald Finsler spacetimes</i> , Physical Review D 108, 104060 (2023), https://journals.aps.org/prd/abstract/10.1103/PhysRevD.108.104060	X	1,493 (iunie 2022)	3	0,497

Ma

3	S. Cheraghchi, C. Pfeifer, N. Voicu , <i>Four-dimensional $SO(3)$-spherically symmetric Berwald-Finsler spaces</i> , International Journal of Geometric Methods in Modern Physics Vol. 20 No. 11, 2350190 (2023), https://www.worldscientific.com/doi/10.1142/S0219887823501906	X	0.547 (iunie 2023)	3	0,182
4	N. Voicu , A. Friedl-Szasz, E. Popovici-Popescu, C. Pfeifer, <i>The Finsler Spacetime Condition for (a, b)-Metrics and Their Isometries</i> , Universe 2023, 9, 198 (2023), https://www.mdpi.com/2218-1997/9/4/198	X	0.874 (iunie 2023)	4	0,218
5	M. Hohmann, C. Pfeifer, N. Voicu , <i>Mathematical foundations for field theories on Finsler spacetimes</i> , Journal of Mathematical Physics 63, 032503 (2022), https://aip.scitation.org/doi/10.1063/5.0065944	X	1,003 (iunie 2023)	3	0,334
6	N. Voicu , S. Garoiu, B. Vasian, <i>On the closure property of Lepage equivalents of Lagrangians</i> , Differential Geometry and its Applications 81, 101852 (2022), https://www.sciencedirect.com/science/article/abs/pii/S0926224522000055	X	0,882 (iunie 2020)	3	0,294
7	M. Hohmann, C. Pfeifer, N. Voicu , <i>Canonical variational completion and 4D Gauss-Bonnet gravity</i> , European Physical Journal Plus 136, 180 (2021), https://link.springer.com/article/10.1140/epjp/s13360-021-01153-0	X	1,112 (iunie 2020)	3	0,370
8	N. Minculete, C. Pfeifer, N. Voicu , <i>Inequalities from Lorentz-Finsler norms</i> , 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
9	M. Hohmann, C. Pfeifer, N. Voicu , <i>Kinetic gases as direct sources of gravity</i> , Physical Review D 101, 024062 (2020), https://journals.aps.org/prd/abstract/10	X	1,493 (iunie 2022)	3	0,497

Ma

	.1103/PhysRevD.101.024062				
10	M. Hohmann, C. Pfeifer, N. Voicu , <i>The kinetic gas universe</i> , 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
11	M. Hohmann, C. Pfeifer, N. Voicu , <i>Cosmological Finsler spacetimes</i> , Universe 6 (5), 65 (2020), https://www.mdpi.com/2218-1997/6/5/65	X	0.874 (iunie 2023)	3	0,291
12	A. Fuster, S. Heefer, C. Pfeifer, N. Voicu , <i>On the non metrizable of Berwald Finsler spacetimes</i> , Universe 6 (5), 64 (2020), https://www.mdpi.com/2218-1997/6/5/64	X	0.874 (iunie 2023)	4	0,218
13	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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
14	N. Voicu , <i>Conformal maps between pseudo-Finsler spaces</i> , International Journal of Geometric Methods in Modern Physics 15(01), 1850003 (2018), https://www.worldscientific.com/doi/10.1142/S0219887818500032	X	0.547 (iunie 2023)	1	0,547
15	N. Voicu , <i>Volume forms for time orientable spacetimes</i> , 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
16	N. Voicu , <i>Energy-momentum tensors in classical field theories – a modern perspective</i> , International Journal of Geometric Methods in Modern Physics, 13, 1640001 (2016), https://www.worldscientific.com/doi/abs/10.1142/S0219887816400016		0.547 (iunie 2023)	1	0.547

Ma^r

17	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		1.003 (iunie 2023)	2	0,501
18	N. Voicu, Biharmonic curves in Finsler spaces, Journal of the Korean Mathematical Society 51 (6), 1105–1122 (2014), https://koreascience.kr/article/JAKO201432252667187.page		0,577 (iunie 2021)	1	0,577
19	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
20	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
21	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		2,321 (iunie 2023)	1	2,321
TOTAL				S=	11,789
				S_{recent}=	5,654

NOTĂ: În coloana "Publicat în ultimii 7 ani" se bifează cu X articolele din I_{recent}

Ma^r

II. Listă citări (selecție; SRI este calculat conform listei din iunie 2022):

Nr. Crt.	Articolul citat	Revista și 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 , <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	E. Minguzzi, Affine sphere spacetimes which satisfy the relativity principle, <i>Phys. Rev. D</i> 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 , <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , Journal of Modern Physics 3(9A) (2012) issncitat:2153120X	A. Fuster, C. Pabst, C. Pfeifer, Berwald spacetimes and very special relativity, <i>Phys. Rev. D</i> 98, 084062 (2018) https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.084062 issnciteaza: 15507998	1,493
3	N. Voicu , <i>On the fundamental equations of electromagnetism in Finslerian spacetimes</i> , Progress in Electromagnetics Research, Vol. 113, 83–102 (2011). issncitat:15598985	A Triantafyllopoulos, PC Stavrinou, Weak field equations and generalized FRW cosmology on the tangent Lorentz bundle, <i>Class. Quantum Grav.</i> 35 085011 (2018), issnciteaza:02649381 https://iopscience.iop.org/article/10.1088/1361-6382/aab27f/meta	2.247
4	N. Voicu , <i>New considerations on Einstein equations in anisotropic spaces</i> , AIP Conf.Proc. 1283, 249–257 (2010), issncitat:0094243X	E. Minguzzi, Affine sphere relativity <i>Communications in Mathematical Physics</i> , 350, 749–801 (2017) issnciteaza:00103616 https://link.springer.com/article/10.1007/s00220-016-2802-9	2.855
5	N. Voicu , <i>New considerations on Einstein equations in anisotropic spaces</i> , AIP Conf.Proc. 1283, 249–257 (2010), issncitat:0094243X	A. Fuster, C. Pabst, C. Pfeifer, Berwald spacetimes and very special relativity, <i>Phys. Rev. D</i> 98, 084062 (2018) issnciteaza:15507998, https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.084062	1,493

Ma

6	N. Voicu , <i>Volume forms for time orientable Finsler spacetimes</i> , 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, <i>Classical and Quantum Gravity</i> 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 , <i>Tangentstructures: sector-forms, jets and connections</i> , 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, <i>Journal of Homotopy and Related Structures</i> , 13, 867–925 (2018) issnciteaza:21938407 https://link.springer.com/article/10.1007%2Fs40062-018-0204-8	0.845
8	N. Voicu , <i>Energy-momentum tensors inclassical field theories – a modern perspective</i> , 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, <i>Journal of Mathematical Physics</i> 59, 032502 (2018) issnciteaza:00222488 https://aip.scitation.org/doi/abs/10.1063/1.4998526	0.933
9	N. Voicu , <i>Conformal maps between pseudo-Finsler spaces</i> , International Journal of Geometric Methods in ModernPhysics 15(01), 1850003 (2018) issncitat:02198878	B. Edwards, A. Kostelecky, Riemann–Finsler geometry and Lorentz-violating scalar fields, <i>Physics Letters B</i> , 786 (10),319-326 (2018), issnciteaza:03702693 https://www.sciencedirect.com/science/article/pii/S0370269318307688	2.179
10	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, N. Voicu , <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , <i>Journal of Modern Physics</i> 3(9A) (2012). issncitat:2153120X	M. Elbistan, P. M. Zhang, N. Dimakis, G. W. Gibbons, P. A. Horvathy, <i>Geodesic motion in Bogoslovsky-Finsler spacetimes</i> , <i>Phys. Rev. D</i> 102, 024014 (2020), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.024014#	1,493

Ma

11	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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, <i>Phys. Rev. D</i> 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 , <i>On the non metrizable of Berwald Finsler spacetimes</i> , Universe 6 (5), 64 (2020), issncitat:22181997	G. W. Gibbons, P. A. Horvathy, Geodesic motion in Bogoslovsky-Finsler spacetimes, <i>Phys. Rev. D</i> 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 , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	G. Minas, G.; E.N. Saridakis, P. Stavrinos, A. Triantafyllopoulos, Bounce Cosmology in Generalized Modified Gravities, <i>Universe</i> 5, 74 (2019), issnciteaza:22181997 https://www.mdpi.com/2218-1997/5/3/74	0,861
14	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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, <i>Phys. Rev. D</i> 100, 124035 (2019) https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.124035	1,493
15	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint <i>Universe</i> 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 , <i>On the non metrizable of Berwald Finsler spacetimes</i> , Universe 6 (5), 64 (2020), issncitat:22181997	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint <i>Universe</i> 6(4),55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	0,861

Man

17	M. Hohmann, C. Pfeifer, N. Voicu , <i>Cosmological Finsler spacetimes</i> , Universe 6 (5), 65 (2020), issncitat:22181997	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint <i>Universe</i> 6(4),55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	0,861
18	M. Hohmann, C. Pfeifer, N. Voicu , <i>Relativistic kinetic gases as direct sources of gravity</i> , Physical Review D 101, 024062(2020).	A. Bernal, M.A. Javaloyes, M. Sanchez, Foundations of Finsler Spacetimes from the Observers' Viewpoint <i>Universe</i> 6(4),55 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/55	0,861
19	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	M. A. Javaloyes, B. L. Soares <i>Class. Quantum Grav.</i> 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 , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	G. Papagiannopoulos, S. Basilakos, A Paliathanasis et al., Dynamics in varying vacuum Finsler–Randers cosmology. <i>Eur.Phys. J. C</i> 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 , <i>Finsler gravity action from variational completion</i> , 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, <i>Universe</i> 6,59 (2020), issnciteaza:22181997 https://www.mdpi.com/2218-1997/6/4/59	0,861

Man

22	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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, <i>The European Physical Journal Plus</i> 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 , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	D. Krupka, Variational principles: Projectability onto Grassmann fibrations <i>J. Math. Phys.</i> 61, 123501 (2020), issnciteaza:00222488 https://aip.scitation.org/doi/abs/10.1063/5.0019676	0,933
24	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , Physical Review D 100, 064035 (2019), issncitat:24700010	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis <i>et al.</i> , Schwarzschild-like solutions in Finsler–Randers gravity, <i>Eur. Phys. J. C</i> 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 , <i>Relativistic kinetic gases as direct sources of gravity</i> , Physical Review D 101, 024062 (2020).	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis <i>et al.</i> , Schwarzschild-like solutions in Finsler–Randers gravity, <i>Eur. Phys. J. C</i> 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 , <i>Cosmological Finsler spacetimes</i> , Universe 6 (5), 65 (2020), issncitat:22181997	A. Triantafyllopoulos, S. Basilakos, E. Kapsabelis <i>et al.</i> , Schwarzschild-like solutions in Finsler–Randers gravity, <i>Eur. Phys. J. C</i> 80, 1200 (2020), issnciteaza:14346044 https://link.springer.com/article/10.1140/epjc/s10052-020-08772-4	1,497
27	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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, <i>Journal of Geometry and Physics</i> 162, 104068 (2021), issnciteaza:03930440 https://www.sciencedirect.com/science/article/pii/S0393044020302941	0,953

Mar

28	M. Hohmann, C. Pfeifer, N. Voicu , <i>Cosmological Finsler spacetimes</i> , Universe6 (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, <i>Phys. Rev. D</i> 103, 044010 (2021), issnciteaza:24700010 https://journals.aps.org/prd/abstract/10.1103/PhysRevD.103.044010	1,493
29	N. Voicu , <i>Volume forms for time orientable spacetimes</i> , 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, <i>Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas</i> 114, 30(2020), issnciteaza:15787303 https://link.springer.com/article/10.1007/s13398-019-00736-y	0,935
30	N. Voicu , <i>Conformal maps between pseudo-Finsler spaces</i> , 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, <i>Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas</i> 114, 30(2020), issnciteaza:15787303 https://link.springer.com/article/10.1007/s13398-019-00736-y	0,935
31	N. Voicu , <i>Energy-momentum tensors in classical field theories – a modern perspective</i> , 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, <i>Eur. Phys. J. Plus</i> 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 , <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	Zhe Chang, Sai Wang, Constraints on spacetime anisotropy and Lorentz violation from the GRAAL experiment, <i>European Physical Journal C</i> , 73:2337 (2013), issnciteaza: 1434-6044 http://link.springer.com/article/10.1140/epjc%2Fs10052-013-2337-6	1,497

Ma^r

33	V. Balan, G. Yu. Bogoslovsky, S. S. Kokarev, D. G. Pavlov, S. V. Siparov, N. Voicu, <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , 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, <i>European Physical Journal C</i> 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, <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	Zhe Chang Ming-Hua Li Sai Wang: Finslergeometric perspective on the bulk flow in the universe, <i>Physics Letters B</i> 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, <i>Progress in ElectromagneticsResearch</i> 113, 83-102 (2011), issncitat:15598985	A.P. Kouretsis, Cosmic magnetization in curved and Lorentz violating spacetimes, <i>Eur. Physical Journal C</i> 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, <i>Progress in ElectromagneticsResearch</i> 113, 83-102 (2011), issncitat:15598985	SQ Jia, XM Jiang, MY Xia, Numerical approach for analysis of transient scattering by an accelerated body, <i>J. of Electromagnetic Waves and Appl.</i> 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, <i>BSG Proceedings</i> 17, 2010, 250-260 issncitat:18432654	E. Barletta, S. Dragomir, Propagation of singularities along characteristics of Maxwells equations, <i>Physica Scripta</i> 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 , <i>New Considerations on Einstein Equations in Pseudo-Finsler Spaces</i> , AIP Conference Proceedings, Volume 1283, pp. 249-257 (2010); issncitat:0094243X	E Barletta, S Dragomir, Gravity as a Finslerian Metric Phenomenon, <i>Foundations of Physics</i> , 42(3), 436-453 (2012), issnciteaza: 00159018 http://link.springer.com/article/10.1007%2Fs10701-011-9614-8	0,768

War

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, <i>J. of Geom. and Physics</i> , 61 (8), 1396–1400 (2011), issnciteaza: 0393-0440 http://www.sciencedirect.com/science/article/pii/S0393044011000684	0,953
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, <i>Int. J.Mod. Phys. D</i> 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, <i>Linear Algebra Appl.</i> 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-throot metrics, <i>Differential Geometry and its Applications</i> 28(3), 290–294 (2010) issnciteaza: 09262245 http://www.sciencedirect.com/science/article/pii/S092622450900120X	0,707
43	Balan, V., Brinzei, N. , Lebedev, S., <i>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</i>	A Tayebi, M Shahbazi Nia, E Peyghan, Ongeneralized m-th root Finsler metrics, <i>Linear Algebra and its Appl.</i> , 437(2), 675–683 (2012), issn 0024-3795, http://www.sciencedirect.com/science/article/pii/S0024379512001802	1,040
44	Balan, V., Brinzei, N. , <i>Einstein equations for (h,v) - Berwald-Moor relativistic models, Balkan Journal of Geometry andIts Applications, vol. 11(2), 20-26 (2006), issncitat:12242780</i>	A. Tayebi. B. Najafi, On m-th root Finslermetrics, <i>Journal of Geometry and Physics</i> 61(8), 1479–1484 (2011), issnciteaza:03930440 http://www.sciencedirect.com/science/article/pii/S0393044011000854	0,953

War

45	Balan, V., Brinzei, N., <i>Einstein equations for (h,v) - Berwald-Moor relativistic models</i> , 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, <i>Linear Algebra and its Appl.</i> 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, <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , Journal of Modern Physics 3(9A) (2012), issncitat:2153120X	J. Foster, R. Lehnert, Classical-physics applications for Finsler b space, <i>Physics Letters B</i> 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, <i>Geometrical Models of the Locally Anisotropic Space-Time</i> , 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 S_n Hubble diagram in Finslerian universe, <i>The European Physical Journal C</i> 75, 181 (2015), issnciteaza:14346044 http://link.springer.com/article/10.1140/epjc%2Fs10052-015-3380-2	1,497
48	N. Voicu, <i>On the fundamental equations of electromagnetism in Finslerian spacetimes</i> , Progress In Electromagnetics Research, Vol. 113, 83-102 (2011)	J. Foster, R. Lehnert, Classical-physics applications for Finsler b space, <i>Physics Letters B</i> 746, 164-170, 2015, issnciteaza:03702693 http://www.sciencedirect.com/science/article/pii/S0370269315002907	2,179
49	N. Voicu, <i>New considerations on Einsteinequations in pseudo-Finsler spaces</i> , AIP Conf. Proceedings 1283, 249-257 (2010).issncitat: 15517616.	E. Minguzzi, Raychaudhuri equation and singularity theorems in Finsler spacetimes, <i>Classical and Quantum Gravity</i> 32, 185008 (2015), issnciteaza:02649381 https://iopscience.iop.org/article/10.1088/0264-9381/32/18/185008	2,247
50	N. Voicu, <i>Energy-momentum tensors in classical field theories – a modern perspective</i> , 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, <i>Journal of Geometry and Physics</i> 106, 192–204 (2016), issnciteaza:03930440 http://www.sciencedirect.com/science/article/pii/S0393044016300717	0,953

Ma

51	M. Hohmann, C. Pfeifer, N. Voicu , <i>Finsler gravity action from variational completion</i> , 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, <i>Eur. Phys. J. C</i> 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 , <i>Cosmological Finsler spacetimes</i> , Universe6 (5), 65 (2020), issncitat:22181997	R. Hama, T. Harko, S.V. Sabau, Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry, <i>Eur. Phys. J. C</i> 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 , <i>The kinetic gas universe</i> , 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, <i>Eur. Phys. J. C</i> 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 , <i>Cosmological Finsler spacetimes</i> , Universe6 (5), 65 (2020), issncitat:22181997	Jie Zhu, Bo-Qiang Ma, Lorentz-violation-induced arrival time delay of astroparticles in Finsler spacetime, <i>Phys.Rev. D</i> 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 , <i>Canonical variational completion and 4D Gauss–Bonnet gravity</i> , European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	Pedro G S Fernandes <i>et al</i> , The 4D Einstein–Gauss–Bonnet theory of gravity: a review, <i>Class. Quantum Grav.</i> 39, 063001 (2022), issnciteaza: 02649381 https://iopscience.iop.org/article/10.1088/1361-6382/ac500a	2,247
56	M. Hohmann, C. Pfeifer, N. Voicu , <i>Canonical variational completion and 4D Gauss–Bonnet gravity</i> , 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, <i>Annals of Physics</i> 437, 168726 (2022) issnciteaza: 0003-4916, https://www.sciencedirect.com/science/article/pii/S0003491621003250	1,502

Ma

57	M. Hohmann, C. Pfeifer, N. Voicu, <i>Canonical variational completion and 4D Gauss–Bonnet gravity</i> , 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, <i>Eur. Phys. J. Plus</i> 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, <i>On the closure property of Lepage equivalents of Lagrangians</i> , Differential Geometry and its Applications 81, 101852 (2022), issncitat: 0926-2245	M. Palese, O. Rossi, F. Zanella, Geometric integration by parts and Lepage equivalents, <i>Differential Geometry and its Applications</i> 81, 101866 (2022), issnciteaza: 0926-2245, https://www.sciencedirect.com/science/article/pii/S0926224522000195	0,707
59	M. Hohmann, C. Pfeifer, N. Voicu, <i>Canonical variational completion and 4D Gauss–Bonnet gravity</i> , 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, <i>Physics of the Dark Universe</i> 33, 100877 (2021), issnciteaza: 2212-6864, https://www.sciencedirect.com/science/article/pii/S2212686421001072	1.838
60	M. Hohmann, C. Pfeifer, N. Voicu, <i>Canonical variational completion and 4D Gauss–Bonnet gravity</i> , European Physical Journal Plus 136, 180 (2021), issncitat: 21905444	S.I. Kruglov, Einstein–Gauss–Bonnet gravity with nonlinear electrodynamics, <i>Annals of Physics</i> 428, 168449 (2021), issnciteaza: 0003-4916, https://www.sciencedirect.com/science/article/pii/S0003491621000555	1.502

Candidat,
Conf. dr. Nicoleta VOICU

Nicoleta

Data: 03.06.2024

Dir. dep.

Conf. dr. Nicoleta Voicu

Nicoleta