FIŞĂ DE ÎNDEPLINIRE A STANDARDELOR MINIMALE

DATE GENERALE

1.	Numele și prenumele	Ionel-Dumitrel GHIBA
2.	Facultatea absolvită/anul	Facultatea de Matematică, Universitatea Alexandru Ioan Cuza din Iași/2005
3.	Studii aprofundate/anul	Secția Structuri Matematice Fundamentele, Facultatea de Matematică, Universitatea Alexandru Ioan Cuza din Iași/2007
4.	Doctorat/anul	Facultatea de Matematică, Universitatea Alexandru Ioan Cuza din Iași/susținere publică octombrie 2010, ordinul ministrului iulie 2011
5.	Titlul tezei de doctorat	Studiul unor modele generalizate în mecanica mediilor continue
6.	Vechime totală în muncă	16 ani
7.	Vechime în activitatea de cercetare-dezvoltare sau în învățământul superior	16 ani

FIŞĂ DE EVALUARE

prezentarea îndeplinirii standardelor minimale naționale *privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare*

Anexa nr. _1_Comisia _Matematică_

Total puncte obținute: *S*= **37,85**, S_{recent}=**12,19**, *Citări în reviste cu SRI>=0.5:* > **500** *(a se vedea lista selectivă de citări dar și lista extinsă)*

Lucrări ştiinţifice:

	Articol, referinţa bibliografică	**Publicat în ultimii 7 ani**	s_i	n_i	s_i / n_i
1.	J. Voss, I.D. Ghiba, R.J. Martin, P. Neff. A rank-one convex, non-polyconvex isotropic function on GL+(2) with compact connected sublevel sets, Proceedings A of the Royal Society of Edinburgh, 152: 356-381 2022.	**x**	1,166	4	0,2915
2.	H. Khan, I.-D. Ghiba, A. Madeo, P. Neff. Existence and uniqueness of Rayleigh waves in isotropic elastic Cosserat materials and algorithmic aspects, Wave Motion, 110: 102898, 2022.	x	1,115	4	0,27875
3.	G. Rizzi, G. Hutter, H. Khan, I.D. Ghiba, A. Madeo, P. Neff, Analytical solution of the cylindrical torsion problem for the relaxed micromorphic continuum and other generalized continua (including full derivations), Mathematics and Mechanics of Solids, 27: 507-553, 2022.	x	1,123	6	0,18716667
4.	I.D. Ghiba, M. Birsan, P. Lewintan, P. Neff, A Constrained Cosserat Shell Model up to Order $O(h^5)$.: Modelling,	x	1,435	4	0,35875

	Existence of Minimizers, Relations to Classical Shell Models and Scaling Invariance of the Bending Tensor, Journal of Elasticity, 146: 83–141, 2021.				
5.	I.D. Ghiba, P. Neff, S. Owczarek. A note on local higher regularity in the dynamic linear relaxed micromorphic model, Math. Meth. Appl. Sci., 44:13855-13865, 2021.	x	0,805	3	0,26833333
6.	J. Voss, I.D. Ghiba, R.J. Martin, P. Neff. Sharp rank-one convexity conditions in planar isotropic elasticity for the additive volumetric-isochoric split, Journal of Elasticity, 143: 301-335, 2021.	x	1,435	4	0,35875
7.	I.D. Ghiba, P. Neff and S. Owczarek. Existence results for non-homogeneous boundary conditions in the relaxed micromorphic model, Math. Meth. Appl. Sci., 44: 2040-2049, 2021.	x	0,805	3	0,26833333
8.	I.D. Ghiba, M. Birsan, P. Lewintan, P. Neff. The isotropic Cosserat shell model including terms up to $O(h^5)$. Part II: Existence of minimizers, Journal of Elasticity, 142: 263–290, 2020.	x	2,181	4	0,54525
9.	I.D. Ghiba, M. Birsan, P. Lewintan, P. Neff. The isotropic Cosserat shell model including terms up to $O(h^5)$. Part I: Derivation in matrix notation, Journal of Elasticity, 142: 201–262, 2020.	x	2,181	4	0,54525
10.	R.J. Martin, J. Voss, I.D. Ghiba, O. Sander, P. Neff, The quasiconvex envelope of conformally invariant planar energy functions in isotropic hyperelasticity, Journal of Nonlinear Science, 30: 2885–2923, 2020.	x	2,565	5	0,513
11.	M.V. d'Agostino, G. Barbagallo, I.D. Ghiba, B. Eidel, P. Neff, A. Madeo, Effective description of anisotropic wave dispersion in mechanical band-gap metamaterials via the relaxed micromorphic model, Journal of Elasticity, 139: 299–329, 2020.	x	2,181	6	0,3635
12.	R.J. Martin, J. Voss, I.D. Ghiba, P. Neff, Quasiconvex relaxation of isotropic functions in incompressible planar hyperelasticity, Proceedings of the Royal Society of Edinburgh, Section: A Mathematics, 150: 2620 – 2631, 2020. (SRI 2016: 1.616)	x	1,46	4	0,365
13.	M. Birsan, I.D. Ghiba, R.J. Martin, P. Neff, Refined dimensional reduction for isotropic elastic Cosserat shells with initial curvature, Mathematics and Mechanics of Solids, 24: 4000-4019, 2019.	x	1,063	4	0,26575

14.	S. Owczarek, I.D. Ghiba, M.V. d'Agostino, P. Neff, Nonstandard micro-inertia terms in the relaxed micromorphic model: well-posedness for dynamics, Mathematics and Mechanics of Solids, 24: 3200-3215, 2019.	x	1,063	4	0,26575
15.	R.J. Martin, I.D. Ghiba, P. Neff, A polyconvex extension of the logarithmic Hencky strain energy, Analysis and Applications, 17: 349-361, 2019.	x	1,289	3	0,42966667
16.	I.D. Ghiba, R.J. Martin, P. Neff. Rank-one convexity implies polyconvexity in isotropic planar incompressible elasticity, Journal de Mathematiques Pures et Appliques, 116, 88-104, 2018.	x	3,629	3	1,20966667
17.	R.J. Martin, I.D. Ghiba, P. Neff, A non-ellipticity result, or the impossible taming of the logarithmic strain measure, International Journal of Non-Linear Mechanics, 102, 147-158, 2018.	x	1,173	3	0,391
18.	R.J. Martin, I.D. Ghiba, P. Neff. Rank-one convexity implies polyconvexity for isotropic, objective and isochoric elastic energies in the two-dimensional case, Proceedings of the Royal Society of Edinburgh, Section: A Mathematics 147 (3), pp. 571-597, 2017.	x	1,46	3	0,48666667
19.	G. Barbagallo, M.V. D'Agostino, R. Abreu, I.D. Ghiba, A. Madeo, P. Neff. Transparent anisotropy for the relaxed micromorphic model: macroscopic consistency conditions and long wave length asymptotics, International Journal of Solids and Structures, 120, pp. 7-30, 2017.	x	1,76	6	0,29333333
20.	I.D. Ghiba, P. Neff, A. Madeo, I. Münch. A variant of the linear isotropic indeterminate couple stress model with symmetric local force-stress, symmetric nonlocal force-stress, symmetric couple-stresses and complete traction boundary conditions, Mathematics and Mechanics of Solids 22, pp. 1221-1266, 2017.	x	1,063	4	0,26575
21.	I. Münch, P. Neff, A. Madeo, I.D. Ghiba. The modified indeterminate couple stress model: Why Yang et al.'s arguments motivating a symmetric couple stress tensor	x	0,756	4	0,189

	contain a gap and why the couple stress tensor may be chosen symmetric nevertheless, ZAMM, 97, pp. 1524-1554, 2017.				
22.	M. V. d'Agostino, G. Barbagallo, I.D. Ghiba, A. Madeo, P. Neff. A panorama of dispersion curves for the weighted isotropic relaxed micromorphic model, ZAMM, 97, pp. 1436-1481, 2017.	x	0,756	5	0,1512
23.	P. Neff, A. Madeo, G. Barbagallo, M.V. D'Agostino, R. Abreu, I.D. Ghiba. Real wave propagation in the isotropic-relaxed micromorphic model, Proceedings of the Royal Society A 473, doi: 10.1098/rspa.2016.0790, 2017.	x	1,985	6	0,33083333
24.	A. Madeo, P. Neff, I.D. Ghiba, G. Rosi. Reflection and transmission of elastic waves at interfaces embedded in non-local band-gap metamaterials: a comprehensive study via the relaxed micromorphic model, Journal of the Mechanics and Physics of Solids, 95, pp. 441-479, 2016.	x	3,517	4	0,87925
25.	A. Madeo, I.D. Ghiba, P. Neff, I. Münch. A new view on boundary conditions in the Grioli-Koiter-Mindlin-Toupin indeterminate couple stress model, European Journal of Mechanics A/Solids, 59, pp. 294-322, 2016.	x	1,636	4	0,409
26.	P. Neff, I. Münch, I.D. Ghiba, A. Madeo. On some fundamental misunderstandings in the indeterminate couple stress model. A comment on recent papers of A.R. Hadjesfandiari and G.F. Dargush, International Journal of Solids and Structures 81, pp. 233-243, 2016.	x	1,76	4	0,44
27.	P. Neff, I.D. Ghiba. Loss of ellipticity in additive logarithmic finite strain plasticity, International Journal of Non-Linear Mechanics, 81, pp. 122-128, 2016.	x	1,173	2	0,5865
28.	P. Neff, I.D. Ghiba. The exponentiated Hencky-logarithmic strain energy. Part III: Coupling with idealized isotropic finite strain plasticity, Continuum Mechanics and Thermodynamics, 28, pp. 477-487, 2016.	x	1,202	2	0,601
29.	I.D. Ghiba, P. Neff, R.J. Martin. An ellipticity domain for the distortional Hencky-logarithmic strain energy,	x	1,985	3	0,66166667

	Proceedings of the Royal Society A 471, doi: 10.1098/rspa.2015.0510, 2016.				
30.	I.D. Ghiba, P. Neff, M. Silhavy. The exponentiated Hencky-logarithmic strain energy. Improvement of the proof of planar polyconvexity, International Journal of Non-Linear Mechanics, 71, pp. 48-51, 2015.		1,173	3	0,391
31.	P. Neff, J. Lankeit, I.D. Ghiba, R. Martin, D. Steigmann. The exponentiated Hencky-logarithmic strain energy. Part II: Coercivity, planar polyconvexity and existence of minimizers, ZAMP, 66, pp. 1671-1693, 2015.		1,163	5	0,2326
32.	P. Neff, I.D. Ghiba, J. Lankeit. The exponentiated Hencky-logarithmic strain energy. Part I: Constitutive issues and rank-one convexity, Journal of Elasticity, 121, pp. 143-234, 2015.		2,181	3	0,727
33.	A. Madeo, P. Neff, I.D. Ghiba, L. Placidi, G. Rosi. Band gaps in the relaxed linear micromorphic continuum, ZAMM, 95, pp. 880-887, 2015.		0,756	5	0,1512
34.	I.D. Ghiba, P. Neff, A. Madeo, L. Placidi, G. Rosi. The relaxed linear micromorphic continuum: existence, uniqueness and continuous dependence in dynamics, Mathematics and Mechanics of Solids, 68, pp. 53-84, 2015.		1,063	5	0,2126
35.	A. Madeo, P. Neff, I.D. Ghiba, L. Placidi, G. Rosi. Wave propagation in relaxed micromorphic continua: modelling metamaterials with frequency band-gaps, Continuum Mechanics and Thermodynamics, 27, pp, 551-570, 2015.		1,202	5	0,2404
36.	P. Neff, I.D. Ghiba, M. Lazar, A. Madeo. The relaxed linear micromorphic continuum: well-posedness of the static problem and relations to the gauge theory of dislocations, Quarterly Journal of Mechanics and Applied Mathematics, 68 (1), pp. 53-84, 2015.		0,907	4	0,22675
37.	I.D. Ghiba, E. Bulgariu. On spatial evolution of the solution of a non-standard problem in the bending theory of		0,873	2	0,4365

	elastic plates, IMA Journal of Applied Mathematics, 80 (2), pp. 452-473, 2015.				
38.	P. Neff, I.D. Ghiba, A. Madeo, L. Placidi, G. Rosi. A unifying perspective: the relaxed linear micromorphic continuum, Continuum Mechanics and Thermodynamics, 26, pp, 639-681, 2014.		1,202	5	0,2404
39.	E. Bulgariu, I.D. Ghiba. On the thermal stresses in anisotropic porous cylinders, Discrete and Continuous Dynamical Systems - Series S, 6, December, pp. 1539-1550, 2013.		0,626	2	0,313
40.	I.D. Ghiba. On the spatial bahaviour in bending theory of porous thermoelastic plates. Journal of Mathematical Analysis and Applications, 403, pp. 129-142, 2013. (SRI 2016: 1.125)		1,136	1	1,136
41.	I.D. Ghiba, C. Galeș. Some qualitative results in the linear theory of micropolar solid-solid mixtures, Journal of Thermal Stresses, 36, pp. 426-445, 2013.		1,098	2	0,549
42.	I.D. Ghiba. On the temporal behaviour in the bending theory of porous thermoelastic plates, ZAMM, 93, pp. 284-296, 2013.		0,756	1	0,756
43.	I.D. Ghiba, C. Galeș. On the fundamental solutions for micropolar fluid-fluid mixtures under steady state vibrations, Applied Mathematics and Computation, 219, pp. 2749-2759, 2012.		1,048	2	0,524
44.	S. Chiriță, I.D. Ghiba. Rayleigh waves in Cosserat elastic materials, International Journal of Engineering Science, 51, pp. 117-127, 2012.		3,893	2	1,9465
45.	C. Galeș, I.D. Ghiba, I. Ignătescu. Asymptotic partition of energy in micromorphic thermopiezoelectricity, Journal of Thermal Stresses, 34, pp. 1241-1249, 2011. (SRI 2016: 1.000)		1,098	3	0,366
46.	I.D. Ghiba. On the steady vibrations problem in linear theory of micropolar solid-fluid mixture, European Journal of Mechanics A/Solids, 30, pp. 584-593, 2011.		1,636	1	1,636

47.	I.D. Ghiba. On the thermal theory of micropolar solid-fluid mixture, Journal of Thermal Stresses, 34, pp. 1-17, 2011.		1,098	1	1,098
48.	C. Galeș, I.D. Ghiba. On uniqueness and continuous dependence of solutions in viscoelastic mixtures, Meccanica, 45, pp. 901-909, 2011.		1,053	2	0,5265
49.	I.D. Ghiba. Representation theorems and fundamental solutions for micropolar solid-fluid mixtures under steady state vibrations, European Journal of Mechanics A/Solids, 29, pp. 1034-1041, 2010.		1,636	1	1,636
50.	S. Chiriță, I.D. Ghiba. Inhomogeneous plane waves in elastic materials with voids, Wave Motion, 47, pp. 333-342, 2010.		1,22	2	0,61
51.	S. Chiriță, I.D. Ghiba. Strong ellipticity and progressive waves in elastic materials with voids, Proceedings of the Royal Society A, 466, pp. 439-458, 2010.		1,985	2	0,9925
52.	I.D. Ghiba. On the deformation of transversely isotropic porous elastic circular cylinder, Archive of Mechanics, 61, pp. 407-421, 2009.		1,131	1	1,131
53.	I.D. Ghiba. Some uniqueness and stability results in the theory of micropolar solid-fluid mixture, Journal of Mathematical Analysis and Applications, 335, pp. 385-396, 2009.		1,136	1	1,136
54.	S. Chiriță, C. Galeș, I.D. Ghiba. On spatial behavior of the harmonic vibrations in Kelvin-Voigt materials, Journal of Elasticity, 93, pp. 81-92, 2008.		2,181	3	0,727
55.	I.D. Ghiba. Spatial estimates concerning the harmonic vibrations in rectangular plates with voids, Archives of Mechanics, 60, pp. 263-279, 2008.		1,131	1	1,131
56.	I.D. Ghiba. Asymptotic partition of energy in micropolar mixture theory of porous media, Meccanica, 43, pp. 639-649, 2008.		1,053	1	1,053
57.	I.D. Ghiba. Semi-inverse solution for Saint-Venant's problem in the theory of porous elastic materials,		1,636	1	1,636

	European Journal of Mechanics - A/Solids, 27, pp. 1060-1074, 2008.				
58.	I.D. Ghiba. Some uniqueness and continuous dependence results in the micropolar mixture theory of porous media, International Journal of Engineering Science, 44, pp. 1269-1279, 2006.		3,893		3,893
				TOTAL	S=**37,85**
					S_{recent}=**12,19**

Citări în reviste cu SRI >=0.5
Listă selectivă de citări relevantă pentru specificul tematicii alese și suficientă pentru demonstrarea îndeplinirii criteriilor minimale

R.J. Martin, I.D. Ghiba, P. Neff, A non-ellipticity result, or the impossible taming of the logarithmic strain measure, International Journal of Non-Linear Mechanics, 102, 147-158, 2018.

Citată în:

1) AF Bernard, CA George, D Ahzi, S Remond, Y A generalized mechanical model using stress-strain duality at large strain for amorphous polymers ***MATHEMATICS AND MECHANICS OF SOLIDS*** PY 2021 VL 26 IS 3 BP 386 EP 400 DI 10.1177/1081286520958469UT WOS:000625448000005 **(SRI 2019: 1.063)**
2) A.F. Prasad, DKannan, K An analysis driven construction of distortional-mode-dependent and Hill-Stable elastic potential with application to human brain tissue ***JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS*** PY 2020 VL 134 AR 103752 DI 10.1016/j.jmps.2019.103752 **(SRI 2019: 3.517)**

R.J. Martin, I.D. Ghiba, P. Neff. Rank-one convexity implies polyconvexity for isotropic, objective and isochoric elastic energies in the two-dimensional case, Proceedings of the Royal Society of Edinburgh, Section: A Mathematics 147 (3), pp. 571-597, 2017.

Citată în:

3) Boussaid, O Kreisbeck, C Schlomerkemper, A ***ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS*** PY 2019VL 234 IS 1BP 417 EP 451 DI 10.1007/s00205-019-01395-4 **(SRI 2019: 5.014)**
4) Two-by-two upper triangular matrices and Morrey's conjecture By: Harris, Terence L. J.; Kirchheim, Bernd; Lin, Chun-Chi ***CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS*** Volume: 57 Issue: 3 Article Number: 73 Published: JUN 2018 **(SRI 2019: 2.996)**

5) Weak Lower Semicontinuity of Integral Functionals and Applications By: Benesova, Barbora; Kruzik, Martin ***SIAM REVIEW*** Volume: 59 Issue: 4 Pages: 703-766 Published: DEC 2017 **(SRI 2019: 9.478)**

P. Neff, I.D. Ghiba. Comparison of isotropic elasto-plastic models for the plastic metric tensor C_p=F_p^T_Fp, In K. Weinberg and A. Pando (eds), Innovative Numerical Approaches for Multi-Field and Multi-Scale Problems, Volume 81 of Lecture Notes in Applied and Computational Mechanics, pp. 161-195, Springer, 2016.

Citată în:

6) Grandi, D., & Stefanelli, U. (2017). Finite plasticity in $$\varvec {P}^\top\!\varvec {P} $$ PT P. Part I: constitutive model. ***Continuum Mechanics and Thermodynamics***, 29(1), 97-116. **(SRI 2019: 1.202)**

7) Grandi, D., & Stefanelli, U. (2017). Finite Plasticity in P^T\!P. Part II: Quasi-Static Evolution and Linearization. ***SIAM Journal on Mathematical Analysis***, 49(2), 1356-1384. **(SRI 2019: 2.343**

8) Jiao, Y., & Fish, J. (2018). On the equivalence between the multiplicative hyper-elasto-plasticity and the additive hypo-elasto-plasticity based on the modified kinetic logarithmic stress rate. ***Computer Methods in Applied Mechanics and Engineering***, 340, 824-863. **(SRI 2019: 4.686)**

P. Neff, I.D. Ghiba. Loss of ellipticity in additive logarithmic finite strain plasticity, International Journal of Non-Linear Mechanics, 81, pp. 122-128, 2016.

Citată în:

9) Zhang, GD Feng, N Khandelwal, K A computational framework for homogenization and multiscale stability analyses of nonlinear periodic materials ***INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING*** PY 2021 VL 122 IS 22 BP 6527 EP 6575 DI 10.1002/nme.6802 **(SRI 2019: 3.099)**

10) Zhang, MJ Nguyen, K Segurado, J Montans, FJ A multiplicative finite strain crystal plasticity formulation based on additive elastic corrector rates: Theory and numerical implementation ***INTERNATIONAL JOURNAL OF PLASTICITY*** PY 2021 VL 137 AR 102899 DI 10.1016/j.ijplas.2020.102899 **(SRI 2019: 4.059)**

11) Nguyen, K Sanz, MA Montans, FJ Plane-stress constrained multiplicative hyperelasto-plasticity with nonlinear kinematic hardening. Consistent theory based on elastic corrector rates and algorithmic implementation ***INTERNATIONAL JOURNAL OF PLASTICITY*** PY 2020 VL 128 AR 102592 DI 10.1016/j.ijplas.2019.08.017 **(SRI 2019: 4.059)**

12) Zhang, MJ Montans, FJ A simple formulation for large-strain cyclic hyperelasto-plasticity using elastic correctors. Theory and algorithmic implementation ***INTERNATIONAL JOURNAL OF PLASTICITY*** PY 2019 VL 113 BP 185 EP 217 DI 10.1016/j.ijplas.2018.09.013 **(SRI 2019: 4.059)**

13) Latorre, M Montans, FJ A new class of plastic flow evolution equations for anisotropic multiplicative elastoplasticity based on the notion of a corrector elastic strain rate ***APPLIED MATHEMATICAL MODELLING*** PY 2018 VL 55 BP 716 EP 740 DI 10.1016/j.apm.2017.11.003 **(SRI 2019: 2.138)**

14) Computational anisotropic hardening multiplicative elastoplasticity based on the corrector elastic logarithmic strain rate By: Sanz, Miguel A.; Montans, Francisco J.; Latorre, Marcos ***COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*** Volume: 320 Pages: 82-121 Published: JUN 15 2017 **(SRI 2019: 4.686)**

P. Neff, I.D. Ghiba, J. Lankeit. The exponentiated Hencky-logarithmic strain energy. Part I: Constitutive issues and rank-one convexity, Journal of Elasticity, 121, pp. 143-234, 2015. (SRI 2016: 2.044, IF 2016: 1.909)

Citată în:

15) Korobeynikov, SN Family of Continuous Strain-Consistent Convective Tensor Rates and Its Application in Hooke-Like Isotropic Hypoelasticity ***JOURNAL OF ELASTICITY*** PY 2021 VL 143 IS 1 BP 147 EP 185 DI 10.1007/s10659-020-09808-2 **(SRI 2019: 2,181)**

16) Rezaee-Hajidehi, M Tuma, K Stupkiewicz, S A note on Pade approximants of tensor logarithm with application to Hencky-type hyperelasticity ***COMPUTATIONAL MECHANICS*** PY 2021 VL 68 IS 3 SI SI BP 619 EP 632 DI 10.1007/s00466-020-01915-0**(SRI 2019: 2.677)**

17) Voss, J Baaser, H Martin, RJ Neff, P More on Anti-plane Shear ***JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*** PY 2020 VL 184 IS 1 SI SI BP 226 EP 249 DI 10.1007/s10957-018-1358-6**(SRI 2019: 1.309)**

18) Prasad, D Kannan, K An analysis driven construction of distortional-mode-dependent and Hill-Stable elastic potential with application to human brain tissue ***JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS*** PY 2020 VL 134 AR 103752 DI 10.1016/j.jmps.2019.103752 **(SRI 2019: 3.517)**

19) Govindjee, S Zoller, MJ Hackl, K A fully-relaxed variationally-consistent framework for inelastic micro-sphere models: Finite viscoelasticity ***JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS*** PY 2019 VL 127 BP 1 EP 19 DI

10.1016/j.jmps.2019.02.014 **(SRI 2019: 3.517)**

20) Kupferman, R Maor, C Variational convergence of discrete geometrically-incompatible elastic models ***CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS*** PY 2018 VL 57 IS 2 AR 39 DI 10.1007/s00526-018-1306-1 **(SRI 2019: 2.996)**

21) Ghaffari, R Duong, TX Sauer, RA A new shell formulation for graphene structures based on existing ab-initio data ***INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*** PY 2018 VL 135 BP 37 EP 60 DI 10.1016/j.ijsolstr.2017.11.008**(SRI 2019: 1.76)**

22) Poulios, K Niordson, CF A homogenization method for ductile-brittle composite laminates at large deformations ***INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING*** PY 2018 VL 113 IS 5 BP 814 EP 833 DI 10.1002/nme.5637 **(SRI 2019: 1.873)**

23) On the wedge dispiration in an inhomogeneous isotropic nonlinear elastic solid By: Yavari, Arash ***MECHANICS RESEARCH COMMUNICATIONS*** Volume: 78 Special Issue: SI Pages: 55-59 Part: B Published: DEC 2016 **(SRI 2019: 1.028)**

24) Analytical network-averaging of the tube model: Rubber elasticity By: Vu Ngoc Khiem; Itskov, Mikhail ***JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS*** Volume: 95 Pages: 254-269 Published: OCT 2016 **(SRI 2019: 3.517)**

25) On constitutive models of finite elasticity with possible zero apparent Poisson's ratio By: Nedjar, B. ***INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*** Volume: 91 Pages: 72-77 Published: AUG 2016 **(SRI 2019: 1.76)**

26) Neff, Patrizio, Yuji Nakatsukasa, and Andreas Fischle. "A logarithmic minimization property of the unitary polar factor in the spectral and Frobenius norms." ***SIAM Journal on Matrix Analysis and Applications*** 35, no. 3 (2014): 1132-1154. **(SRI 2019: 2.482)**

Listă completă de citări

J. Voss, I.D. Ghiba, R.J. Martin, P. Neff. A rank-one convex, non-polyconvex isotropic function on GL+(2) with compact connected sublevel sets, in print Proceedings A of the Royal Society of Edinburgh, 2022.

Citată în: -

H. Khan, I.-D. Ghiba, A. Madeo, P. Neff. Existence and uniqueness of Rayleigh waves in isotropic elastic Cosserat materials and algorithmic aspects, in print Wave Motion, 2022.

Citată în: -

G. Rizzi, H. Khan, I.-D. Ghiba, A. Madeo, P. Neff. Analytical solution of the uniaxial extension problem for the relaxed micromorphic continuum and other generalized continua (including full derivations). in print Archive of Applied Mechanics, 2022.

Citată în: -

G. Rizzi, G. Hutter, H. Khan, I.D. Ghiba, A. Madeo, P. Neff, Analytical solution of the cylindrical torsion problem for the relaxed micromorphic continuum and other generalized continua (including full derivations), Mathematics and Mechanics of Solids, 27: 507-553, 2022.

Citată în: -

I.D. Ghiba, M. Birsan, P. Lewintan, P. Neff, A Constrained Cosserat Shell Model up to Order $O(h^5)$.: Modelling, Existence of Minimizers, Relations to Classical Shell Models and Scaling Invariance of the Bending Tensor, Journal of Elasticity, 146: 83–141, 2021.

Citată în: -

I.D. Ghiba, P. Neff, S. Owczarek. A note on local higher regularity in the dynamic linear relaxed micromorphic model, Math. Meth. Appl. Sci., 44:13855-13865, 2021.

Citată în: -

J. Voss, I.D. Ghiba, R.J. Martin, P. Neff. Sharp rank-one convexity conditions in planar isotropic elasticity for the additive volumetric-isochoric split, Journal of Elasticity, 143: 301-335, 2021.

Citată în:-

I.D. Ghiba, P. Neff and S. Owczarek. Existence results for non-homogeneous boundary conditions in the relaxed micromorphic model, Math. Meth. Appl. Sci., 44: 2040-2049, 2021.

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