

UNIVERSITATEA TRANSILVANIA DIN BRAȘOV

FACULTATEA DE MATEMATICĂ ȘI INFORMATICĂ

LISTA DE LUCRĂRI ȘTIINȚIFICE 2018

1. N. Aldea, Gh. Munteanu, On the class of complex Douglas-Kropina spaces, Bull. Korean Math. Soc. 55 (2018), No. 1, pp. 251–266 <https://doi.org/10.4134/BKMS.b161000> pISSN: 1015-8634 / eISSN: 2234-3016
2. B. Alqahtani, A. Fulga, E. Karapınar, Common fixed point results on an extended b-metric space, Alqahtani et al. Journal of Inequalities and Applications (2018) 2018:158, <https://doi.org/10.1186/s13660-018-1745-4>
3. B. Alqahtani, A. Fulga, E. Karapınar, Non-Unique Fixed Point Results in Extended B-Metric Space, Mathematics 2018, 6, 68; doi:10.3390/math6050068
4. A. Fulga, A. Tas, Fixed Point Results Via Simulation Functions in the Context of Quasi-metric Space, Filomat, Vol 32, No 13 (2018)
5. A. Fulga, E. Karapınar, Revisiting of some outstanding metric fixed point theorems via E-contraction, An. St. Univ. Ovidius Constanta, Vol. 26(3),2018, 73–97
6. A. Fulga, E. Karapınar, Some Results on S-Contractions of Type E, Mathematics 2018, 6, 195 ; doi:10.3390/math6100195
7. B. Alqahtani, A. Fulga, E. Karapınar, Sehgal Type Contractions on b-Metric Space, Symmetry 2018, 10, 560; doi:10.3390/sym10110560
8. B. Alqahtani, A. Fulga, E. Karapınar, A short note on the common fixed points of the Geraghty contraction of type $E_{S,T}$, Demonstr. Math. 2018; 51:233–240
9. M. Marin, A. Öchsner, An initial boundary value problem for modeling a piezoelectric dipolar body, Continuum Mech. Thermodyn. (2018) 30:267–278 <https://doi.org/10.1007/s00161-017-0599-1>
10. M. Marin, A. Öchsner, Propagation of a straight crack in dipolar elastic bodies, Continuum Mech. Thermodyn. (2018) 30:775–782 <https://doi.org/10.1007/s00161-018-0639-5>
11. A. Chirilă, M. Marin, The theory of generalized thermoelasticity with fractional order strain for dipolar materials with double porosity, J Mater Sci (2018) 53:3470–3482
12. M. Marin, A. Öchsner, D. Baleanu, On stability in the thermoelastostatics of dipolar bodies, Acta Mech 229, 4267–4277 (2018) <https://doi.org/10.1007/s00707-018-2237-9>
13. I. A. Abbas, M. Marin, Analytical Solutions of a Two-Dimensional Generalized Thermoelastic Diffusions Problem Due to Laser Pulse, Iran J Sci Technol Trans Mech Eng (2018) 42:57–71 <https://doi.org/10.1007/s40997-017-0077-1>
14. M. Hassan, M. Marin, A. Alsharif, R. Ellahi, Convective heat transfer flow of nanofluid in a porous medium over wavy surface, Physics Letters A 382 (2018) 2749–2753
15. M. Marin, V. Rădulescu, A Variational Approach for the Mixed Problem in the Elastostatics of Bodies with Dipolar Structure, Mediterr. J. Math. (2018) 15:221 <https://doi.org/10.1007/s00009-018-1269-7>

16. M. Hassan, M. Marin, R. Ellahi, S. Z Alamri, Exploration of convective heat transfer and flow characteristics synthesis by Cu–Ag/water hybrid-nanofluids, *Heat Transfer Research* 49(18):1837–1848 (2018)
17. M. Marin, R. P. Agarwal, D. Baleanu, On a generalized relaxed Saint–Venant principle, *Boundary Value Problems* (2018) 2018:112 <https://doi.org/10.1186/s13661-018-1031-x>
18. M. Marin, S. Vlase, C. Cârstea, A dipolar structure in the heat-flux dependent thermoelasticity, *AIP ADVANCES* 8, 035220 (2018)
19. E. M. Craciun, M. Marin, A. Rabaea, Anti-plane crack in human bone. I. Mathematical modeling, *An. St. Univ. Ovidius Constanta*, Vol. 26(1), 2018, 81–90
20. M. Marin, A. Öchsner, S. Vlase, Minimum principle for a composite modeled as two interacting dipolar continua, *Mechanics of Composite Materials*, Vol. 54, No. 4, September, 2018 (Russian Original Vol. 54, No. 4, July-August, 2018)
21. I. Chitescu, L. Ioana, R. Miculescu, L. Niță, Operators on Spaces of Functions and Measures. Vector Invariant (Fractal) Measures, *Results Math* (2018) 73:139
22. R. Miculescu, S.-A. Urziceanu, The canonical projection associated with certain possibly infinite generalized iterated function systems as a fixed point, *J. Fixed Point Theory Appl.* (2018) 20:141
23. N. Minculete, Considerations about the several inequalities in an inner product space, *J. Math. Ineq.* Volume 12, Number 1 (2018), 155–161
24. F.-C. Mitroi-Symeonidis, N. Minculete, On the Jensen Functional and Strong Convexity, *Bull. Malays. Math. Sci. Soc.* (2018) 41:311–319 <https://doi.org/10.1007/s40840-015-0293-z>
25. R. Păltănea, Asymptotic Constant in Approximation of Twice Differentiable Functions by a Class of Positive Linear Operators, *Results Math* (2018) 73:64
26. U. Abel, O. Agratini, R. Păltănea, A Complete Asymptotic Expansion for the Quasi-interpolants of Gauss–Weierstrass Operators, *Mediterr. J. Math.* (2018) 15:156 <https://doi.org/10.1007/s00009-018-1195-8>
27. M. N. Pascu, I. Popescu, Couplings of Brownian Motions of Deterministic Distance in Model Spaces of Constant Curvature, 2018, Volume 31, Issue 4, pp 2005–2031
28. O. Popescu, G. Stan, Fixed point theorems for new nonlinear mappings satisfying condition (CC*), *J. Fixed Point Theory Appl.* (2019) 21:10 <https://doi.org/10.1007/s11784-018-0647-x>
29. A. Szasz-Friedl, Deformation of complex Finsler metrics, *An. St. Univ. Ovidius Constanta*, Vol. 26(3), 2018, 229–244
30. N. Voicu, Conformal maps between pseudo-Finsler spaces, *International Journal of Geometric Methods in Modern Physics* Vol. 15, No. 1 (2018) 1850003 (17 pages)

Articole publicate în reviste BDI recunoscute de comisiile CNATDCU de specialitate

1. R. Kumar, N. Sharma, P. Lata, M. Marin, Reflection of Plane Waves at Micropolar Piezothermoelastic Half-space, *CMST* 24(1) 113-124 (2018), DOI:10.12921/cmst.2016.0000069
2. S. Furuichi, N. Minculete, Inequalities for Relative Operator Entropies and Operator Means, *Acta Math Vietnam* (2018) 43:607–618 <https://doi.org/10.1007/s40306-018-0250-7>

3. S.S. Dragomir, N. Minculete, On several inequalities in an inner product space, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, Vol 11(60), No. 1, 2018, 65-76
4. M. Neagu, Riemann-Lagrange geometry for dynamical system concerning market competition, Bulletin of the Transilvania University of Braşov • Vol 11(60), No. 1 - 2018 Series III: Mathematics, Informatics, Physics, 99-106
5. Al. Oană, Nonlinear connections on 2-jet bundle $J^2(T, M)$, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, Vol 11(60), No. 2 – 2018, 187-194
6. D. St. Marinescu, E. Păltănea, On the existence of common fixed points of two commuting functions, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, Vol 11(60), No. 2 – 2018, 165-168
7. C. L. Moldovan, R. Păltănea, I. Vişa, Experimental assessment of the meliss simulation model accuracy of the direct solar irradiance in Brasov, Romania, Annals of West University of Timisoara Physics Vol. LX, 2018
8. C. L. Moldovan, R. Păltănea, I. Vişa, First order statistics-based features selection for clustering using Gaussian mixture model, Annals of “Dunarea de Jos” University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, Year X (XLI) 2018, No. 1
9. A. M. Proca, Fixed point theorem for ϕ -Geraghty contractions, SCIENTIFIC RESEARCH AND EDUCATION IN THE AIR FORCE – AFASES2018
10. M. A. Târnoveanu, M. A. P. Purcaru, Mathematics for performance and the “unique manual”, Journal Plus Education, ISSN: 1842-077X, E-ISSN (online) 2068-1151 Vol XXI (2018), Special Issue. pp. 225-228
11. M. A. P. Purcaru, A. Manea, On the profile of the olympic student in mathematics, Journal Plus Education, ISSN: 1842-077X, E-ISSN (online) 2068-1151 Vol XXI (2018), Special Issue. pp. 321-326
12. D. Răducanu, G. Murugusundaramoorthy, Certain properties for spiral-like functions associated with Ruscheweyh type q -difference operator, Konuralp Journal of Mathematics, 2018, Volume 6, Issue 2, Pages 218 – 225
13. D. Răducanu, Second Hankel determinant for a certain class of analytic functions, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, Vol 11(60), No. 2 – 2018, 207-214