UNIVERSITATEA TEHNICA CLUJ-NAPOCA
DEPARTAMENTUL DE MATEMATICA

FISA DE VERIFICARE A STANDARDELOR MINIMALE - ARTICOLE

Cimpean Kelemen Dalia Sabina

SCOR RELATIV DE INFLUENTA **Scor Total** **8.9**

Scor Recent **5.3**

Nr	Articol, referinta bibliografica	An publicare	ISSN	An SRI MAX	s_i MAX SRI 2017-2021	n_i	s_i/n_i
1	Y. Lok, N Amin, **D. Cimpean**, I Pop, Steady mixed convection flow of a micropolar fluid near the stagnation point on a vertical surface, International Journal of Numerical Methods for Heat & Fluid Flow, Vol 15 No. 7, pg. 654-670, Emerald, http://dx.doi.org/10.1108/09615530510613861	2005	0961-5539	2021	1.172	**4**	**0.293**
2	**D. Cimpean**, J.Merkin, I. Pop, D.Ingham, On a Free Convection Problem Over a Vertical Flat Surface in a Porous Medium, Transport in Porous Media International Journal, 64: 393-411 (2006) http://dx.doi.org/10.1007/s11242-005-5236-y	2006	0169-3913	2020	1.686	**4**	**0.422**
3	**D. Cimpean**, I. Pop, D. B. Ingham , J. H. Merkin, Fully Developed Mixed Convection Flow Between Inclined Parallel Plates Filled with a Porous Medium, Transport in Porous Media Int. J., Vol 77, pp.87-102 (2009) ISSN: 0169-3913, MR2485526 (2010c:76103) http://dx.doi.org/10.1007/s11242-008-9264-2	2009	0169-3913	2020	1.686	**4**	**0.422**
4	**D.S. Cimpean**, D. Popa, On the stability of the linear differential equation of higher order with constant coefficients, Applied Mathematics and Computation, Volume 217, Issue 8, 4141-4146 (2010), MR2739658 http://dx.doi.org/10.1016/j.amc.2010.09.062	2010	0096-3003	2021	1.281	**2**	**0.641**

5	**D.S. Cimpean**, D. Popa, Hyers–Ulam stability of Euler's equation, Applied Mathematics Letters, Volume 24, Issue 9, 1539-1543 (2011), MR2803705 https://doi.org/10.1016/j.aml.2011.03.042	2011	0893-9659	2021	1.352	**2**	**0.676**
6	**D.S. Cimpean**, I. Pop, Fully developed mixed convection flow of a nanofluid through an inclined channel filled with a porous medium, Int. J. Heat Mass Transfer, 55 907–914 (2012) , http://dx.doi.org/10.1016/j.ijheatmasstransfer.2011.10.018	2012	0017-9310	2020	2.325	**2**	**1.163**
7	I. Pop, M. Sheremet, **D.S. Cimpean**, Natural convection in a partially heated wavy cavity filled with a nanofluid using Buongiorno's nanofluid model, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 27 Issue: 4, 924-940, (2017), https://doi.org/10.1108/HFF-12-2015-0529	2017	0961-5539	2021	1.172	**3**	**0.391**
8	M.A.Sheremet, **D.S.Cimpean**, I.Pop, Free convection in a partially heated wavy porous cavity filled with a nanofluid under the effects of Brownian diffusion and thermophoresis, Applied Thermal Engineering, Vol. 113, 413-418, (2017), https://doi.org/10.1016/j.applthermaleng.2016.11.033	2017	1359-4311	2020	2.254	**3**	**0.751**
9	**D.S. Cimpean**, C. Revnic, I. Pop, Natural Convection in a Square Inclined Cavity Filled with a Porous Medium with Sinusoidal Temperature Distribution on Both Side Walls, Transport In Porous Media, Vol. 130 Issue: 2 391-404, (2019), 10.1007/s11242-019-01315-w, https://doi.org/10.1007/s11242-019-01315-w	2019	0169-3913	2020	1.686	**3**	**0.562**

10	**D.S. Cimpean**, I. Pop, Free convection in an inclined cavity filled with a nanofluid and with sinusoidal temperature on the walls: Buongiorno's mathematical model, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 29 Issue: 12, 4549-4568, (2019), 10.1108/HFF-04-2019-0317	2019	0961-5539	2021	1.172	**2**	**0.586**
11	M.A.Sheremet, **D.S.Cimpean**, I.Pop, Thermogravitational Convection of Hybrid Nanofluid in a Porous Chamber with a Central Heat-Conducting Body, Symmetry, 12, 593, (2020), 10.3390/sym12040593	2020	2073-8994	2021	0.687	**3**	**0.229**
12	**D.S. Cimpean**, M.A. Sheremet, I. Pop, Mixed convection of hybrid nanofluid in a porous trapezoidal chamber, International Communications in Heat and Mass Transfer, 116 (2020) 104627, https://doi.org/10.1016/j.icheatmasstransfer.2020.104627	2020	0735-1933	2018	2.504	**3**	**0.835**
13	**D.S. Cimpean**, I. Pop, Entropy generation of a nanofluid in a porous cavity with sinusoidal temperature at the walls and a heat source bellow, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 32 No. 1, 23-40, (2021), https://doi.org/10.1108/HFF-10-2020-0654	2021	0961-5539	2021	1.172	**2**	**0.586**
14	**D.S. Cimpean**, Dynamics of Colloidal Mixture of Cu-Al_2O_3/Water in an Inclined Porous Channel Due to Mixed Convection: Significance of Entropy Generation, *Coatings,* 12(9):1347, (2022), https://doi.org/10.3390/coatings12091347	2022	2079-6412	2017	1.393	**1**	**1.393**

Cluj-Napoca Semnatura

FISA DE VERIFICARE A STANDARDELOR MINIMALE CNATDCU MATEMATICA - CITARI ARTICOLE

CIMPEAN KELEMEN DALIA SABINA

	Total citari	h-index
Web of Science	494	10
Google Scholar	717	13
Scopus	554	11

Nr. crt.	Articolul citat, referinta bibliografica	Revista, articolul in care a fost citat	s_i (articolul in care s-a facut citarea (>0.499)	ISSN citare	An citare
1	D.S. Cimpean, I. Pop, Fully developed mixed convection flow of a nanofluid through an inclined channel filled with a porous medium, Int. J. Heat Mass Transfer, 55 907–914 (2012) ISSN: 0017-9310, http://dx.doi.org/10.1016/j.ijheatmasstransfer.2011.10.018	Effects of heat sink and source and entropy generation on MHD mixed convection of a Cu-water nanofluid in a lid-driven square porous enclosure with partial slip, Physics of Fluids 29, 052001 (2017); https://doi.org/10.1063/1.4981911	1.878(2018)	1070-6631	2017
2		Fatih Selimefendigil, Hakan F. Öztop, Ali J.Chamkha, Analysis of mixed convection of nanofluid in a 3D lid-driven trapezoidal cavity with flexible side surfaces and inner cylinder, International Communications in Heat and Mass Transfer, Volume 87, October 2017, Pages 40-51, https://doi.org/10.1016/j.icheatmasstransfer.2017.06.015	2.428 (2020)	0735-1933	2017
3		Elgiz Baskaya ,Guven Komurgoz ,Ibrahim Ozkol, Investigation of Oriented Magnetic Field Effects on Entropy Generation in an Inclined Channel Filled with Ferrofluids, Entropy 2017, 19(7), 377; https://doi.org/10.3390/e19070377	1.541 (2017)	1099-4300	2017
4		Samuel Olumide Adesanya,Michael Bamidele Fakoya, Second Law Analysis for Couple Stress Fluid Flow through a Porous Medium with Constant Heat Flux, Entropy 2017, 19(9), 498; https://doi.org/10.3390/e19090498	1.541(2017)	1099-4300	2017
5		S.Hussainab, K.Mehmooda, M.Sagheera, A.Farooqa, Entropy generation analysis of mixed convective flow in an inclined channel with cavity with Al2O3-water nanofluid in porous medium International Communications in Heat and Mass Transfer Volume 89, December 2017, Pages 198-210 https://doi.org/10.1016/j.icheatmasstransfer.2017.10.009	2.428 (2020)	0735-1933	2017
6		Al-Farhany, K., Al-dawody, M.F., Hamzah, D.A. *et al.* Numerical investigation of natural convection on Al2O3–water porous enclosure partially heated with two fins attached to its hot wall: under the MHD effects. *Appl Nanosci* **13**, 555–572 (2023). https://doi.org/10.1007/s13204-021-01855-y	0.770(2020)	2190-5509	2023
7		Selimefendigil, F. and Chamkha, A.J. (2020), "MHD mixed convection of nanofluid in a three-dimensional vented cavity with surface corrugation and inner rotating cylinder", International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 30 No. 4, pp. 1637-1660. https://doi.org/10.1108/HFF-10-2018-0566	1.172(2021)	0961-5539	2019
8		Rafique, K.; Imran Anwar, M.; Misiran, M.; Khan, I.; Alharbi, S.O.; Thounthong, P.; Nisar, K.S. Keller-Box Analysis of Buongiorno Model with Brownian and Thermophoretic Diffusion for Casson Nanofluid over an Inclined Surface. Symmetry 2019, 11, 1370.	0.687(2021)	2073-8994	2019
9		Aminian, E., Moghadasi, H. & Saffari, H. Magnetic field effects on forced convection flow of a hybrid nanofluid in a cylinder filled with porous media: a numerical study. J Therm Anal Calorim 141, 2019–2031 (2020). https://doi.org/10.1007/s10973-020-09257-y	0.876(2020)	1388-6150	2020

10		Anum Tanveer, T. Salahuddin, Mair Khan, M.Y. Malik, M.S. Alqarni,Theoretical analysis of non-Newtonian blood flow in a microchannel,Computer Methods and Programs in Biomedicine, VOL 191, 2020, 105280, ISSN 0169-2607, https://doi.org/10.1016/j.cmpb.2019.105280	1.699(2019)	0169-2607	2020
11		Nohooji, A.B., Toghraie, D., Pourfattah, F. et al. Computational modeling of porous medium inside a channel with homogeneous nanofluid. J Therm Anal Calorim 140, 843–858 (2020). https://doi.org/10.1007/s10973-019-08863-9	0.876(2020)	1388-6150	2020
12		Umavathi, J.C., Sheremet, M.A. Heat transfer of viscous fluid in a vertical channel sandwiched between nanofluid porous zones. J Therm Anal Calorim 144, 1389–1399 (2021). https://doi.org/10.1007/s10973-020-09664-1	0.876(2020)	1388-6150	2020
13		Ahmed, F., Iqbal, M. Heat Transfer Analysis of MHD Power Law Nano Fluid Flow through Annular Sector Duct. J. Therm. Sci. 29, 169–181 (2020). https://doi.org/10.1007/s11630-019-1126-4	0.682(2019)	1003-2169	2020
14		Tawfeeq Abdullah Alkanhal, M. Sheikholeslami, Muhammad Usman, Rizwan-ul Haq, Ahmad Shafee, Abdullah Saad Al-Ahmadi, I. Tlili, Thermal management of MHD nanofluid within the porous medium enclosed in a wavy shaped cavity with square obstacle in the presence of radiation heat source, International Journal of Heat and Mass Transfer, Volume 139, 2019,Pages 87-94,ISSN 0017-9310,https://doi.org/10.1016/j.ijheatmasstransfer.2019.05	2.136(2017)	0017-9310	2019
15		Al-Farhany, K., Al-dawody, M.F., Hamzah, D.A. *et al.* Numerical investigation of natural convection on Al2O3–water porous enclosure partially heated with two fins attached to its hot wall: under the MHD effects. *Appl Nanosci* (2021). https://doi.org/10.1007/s13204-021-01855-y	0.770(2020)	2190-5517	2021
16		Umavathi, J.C., Sheremet, M.A. Heat transfer of viscous fluid in a vertical channel sandwiched between nanofluid porous zones. *J Therm Anal Calorim* **144,** 1389–1399 (2021). https://doi.org/10.1007/s10973-020-09664-1	0.876(2020)	1388-6150	2021
17		You X, Li S. Fully Developed Opposing Mixed Convection Flow in the Inclined Channel Filled with a Hybrid Nanofluid. *Nanomaterials* . 2021; 11(5):1107. https://doi.org/10.3390/nano11051107	1.687(2020)	2079-4991	2021
18	D. Cimpean, I. Pop, D. B. Ingham , J. H. Merkin, Fully Developed Mixed Convection Flow Between Inclined Parallel Plates Filled with a Porous Medium, Transport in Porous Media Int. J., Vol 77, pp.87-102 (2009) ISSN: 0169-3913, MR2485526 (2010c:76103) http://dx.doi.org/10.1007/s11242-008-9264-2	Samuel Olumide Adesanya andMichael Bamidele Fakoya, Second Law Analysis for Couple Stress Fluid Flow through a Porous Medium with Constant Heat Flux, Entropy 2017, 19(9), 498; https://doi.org/10.3390/e19090498	1.541(2017)	1099-4300	2017
19	Dalia Cimpean, Nicolaie Lungu, Ioan Pop, A Problem Of Entropy Generation In A Channel Filled With A Porous Medium, Creative Math. & Inf. 17 (2008), No. 3, 357 - 362 , http://Creative-Mathematics.Ubm.Ro/ Print Edition: Issn 1584 - 286x Online Edition: Issn 1843 - 441x	Aziz UrRehman, RashidMehmood, S.Nadeem, Entropy analysis of radioactive rotating nanofluid with thermal slip, Applied Thermal Engineering, Volume 112, 5 February 2017, Pages 832-840 https://doi.org/10.1016/j.applthermaleng.2016.10.150	2.254 (2020)	1359-4311	2017
20	D.S. Cimpean, D. Popa, On the stability of the linear differential equation of higher order with constant coefficients, Applied Mathematics and Computation, Volume 217, Issue 8, 4141-4146 (2010) ISSN: 0096-3003, MR2739658 http://dx.doi.org/10.1016/j.amc.2010.09.062	Yonghong Shen, The Ulam Stability of First Order Linear Dynamic Equations on Time Scales, Results in Mathematics December 2017, Volume 72, Issue 4, pp 1881–1895, https://link.springer.com/article/10.1007/s00025-017-0725-1	0.742 (2020)	1422-6383	2017
21		Soon-MoJung, Jaiok Roh, The linear differential equations with complex constant coefficients and Schrödinger equations, Applied Mathematics Letters, Volume 66, April 2017, Pages 23-29, https://doi.org/10.1016/j.aml.2016.11.003	1.061(2017)	0893-9659	2017

22	M.A.Sheremet, D.S.Cimpean, I.Pop, Free convection in a partially heated wavy porous cavity filled with a nanofluid under the effects of Brownian diffusion and thermophoresis, Applied Thermal Engineering, Volume 113, 25 February 2017, Pages 413-418, ISSN: 1359-4311 https://doi.org/10.1016/j.applthermaleng.2016.11.033 (2017)	M.Hatami, D.Jing, Optimization of wavy direct absorber solar collector (WDASC) using Al2O3-water nanofluid and RSM analysis, Applied Thermal Engineering Volume 121, 5 July 2017, Pages 1040-1050 https://doi.org/10.1016/j.applthermaleng.2017.04.137	2.254 (2020)	1359-4311	2017
23		Faroogh Garoosi, Farhad Talebi, Numerical Analysis Of Conjugate Natural And Mixed Convection Heat Transfer Of Nanofluids In A Square Cavity Using The Two-Phase Method, Advanced Powder Technology, Volume 28, Issue 7, July 2017, Pages 1668-1695, https://Doi.Org/10.1016/J.Apt.2017.04.006	1.650 (2020)	0921-8831	2017
24		M.Sheikholeslami, M.Shamlooei, Magnetic source influence on nanofluid flow in porous medium considering shape factor effect, Physics Letters A Volume 381, Issue 36, 25 September 2017, Pages 3071-3078 https://doi.org/10.1016/j.physleta.2017.07.028	1.399(2017)	0375-9601	2017
25		Khan, S. A., Hayat, T., Alsaedi, A., & Ahmad, B. (2021). Melting heat transportation in radiative flow of nanomaterials with irreversibility analysis. *Renewable and Sustainable Energy Reviews* , *140* , 110739.	3.006(2018)	1364-0321	2021
26		Sadeghi, M. S., Tayebi, T., Dogonchi, A. S., Nayak, M. K., & Waqas, M. (2021). Analysis of thermal behavior of magnetic buoyancy-driven flow in ferrofluid–filled wavy enclosure furnished with two circular cylinders. *International Communications in Heat and Mass Transfer* , *120* , 104951.	2.504(2018)	0735-1933	2021
27		Biswas, N., Manna, N. K., Chamkha, A. J., & Mandal, D. K. (2021). Effect of surface waviness on MHD thermo-gravitational convection of Cu− Al2O3− water hybrid nanofluid in a porous oblique enclosure. *Physica Scripta* , *96* (10), 105002.	1.046(2018)	0031-8949	2021
28		Mabood, F., & Akinshilo, A. T. (2021). Stability analysis and heat transfer of hybrid Cu-Al2O3/H2O nanofluids transport over a stretching surface. *International Communications in Heat and Mass Transfer* , *123* , 105215.	2.504(2018)	0735-1933	2021
29		Fayz-Al-Asad, M., Alam, M. N., Rashad, A. M., & Sarker, M. M. A. (2021). Impact of undulation on magneto-free convective heat transport in an enclosure having vertical wavy sides. *International Communications in Heat and Mass Transfer* , *127* , 105579.	2.504(2018)	0735-1933	2021
30		Abdulkadhim, A., mejbel Abed, I., & mahjoub Said, N. (2021). An exhaustive review on natural convection within complex enclosures: Influence of various parameters. *Chinese Journal of Physics* , *74* , 365-388.	0.845(2021)	0577-9073	2021
31		Fayz-Al-Asad, M., Yavuz, M., Alam, M. N., Sarker, M. M. A., & Bazighifan, O. (2021). Influence of fin length on magneto-combined convection heat transfer performance in a lid-driven wavy cavity. *Fractal and Fractional* , *5* (3), 107.	0.735(2020)	2504-3110	2021
32		Yu, Q. (2021). A decoupled wavelet approach for multiple physical flow fields of binary nanofluid in double-diffusive convection. *Applied Mathematics and Computation* , *404* , 126232.	1.281(2021)	0096-3003	2021
33		Chammam, W., Nazari, S., & Abbas, S. Z. (2021). Numerical scrutiny of entropy generation and ferro-nanoliquid magnetic natural convection inside a complex enclosure subjected to thermal radiation. *International Communications in Heat and Mass Transfer* , *125* , 105319.	2.504(2018)	0735-1933	2021
34		Abu-Hamdeh, N. H., Almitani, K. H., Gari, A. A., Alimoradi, A., & Sun, C. (2021). FVM method based on K− ε model to simulate the turbulent convection of nanofluid through the heat exchanger porous media. *Journal of Thermal Analysis and Calorimetry* , *144* (6), 2689-2698. https://link.springer.com/article/10.1007/s10973-020-10538-9	0.876(2020)	1388-6150	2021

35		Kumar, P., & Pandey, K. M. (2021). Numerical investigation of thermo-hydraulic transport characteristics of two-dimensional, steady flow through partially porous wavy channel. *Numerical Heat Transfer, Part A: Applications* , *81* (1-2), 31-47. https://doi.org/10.1080/10407782.2021.1969809	1.132(2020)	1040-7782	2021
36		Karimi, Y., Solaimany Nazar, A. R., & Motevasel, M. (2021). CFD simulation of nanofluid heat transfer considering the aggregation of nanoparticles in population balance model. *Journal of Thermal Analysis and Calorimetry* , *143* (1), 671-684.	0.876(2020)	1388-6150	2021
37		Siddheshwar, P. G., & Sakshath, T. N. (2021). Steady finite-amplitude Rayleigh–Bénard convection of ethylene glycol–copper nanoliquid in a high-porosity medium made of 30% glass fiber-reinforced polycarbonate. *Journal of Thermal Analysis and Calorimetry* , *143* (1), 485-502. https://link.springer.com/article/10.1007/s10973-019-09214-4	0.876(2020)	1388-6150	2021
38		Zhou, S. S., Almarashi, A., Dara, R. N., Issakhov, A., Ge-JiLe, H., Selim, M. M., & Hajizadeh, M. R. (2021). Effect of permeability and MHD on nanoparticle transportation. *Journal of Molecular Liquids* , *335* , 116137. https://doi.org/10.1016/j.molliq.2021.116137	1.275(2020)	0167-7322	2021
39	D.S. Cimpean, I. Pop, Free convection in an inclined cavity filled with a nanofluid and with sinusoidal temperature on the walls: Buongiorno's mathematical model, International Journal of Numerical Methods for Heat & Fluid Flow, Issn: 0961-5539, Volume: 29 Issue: 12 Pages: 4549-4568, DOI:	Lukose, L. and Basak, T. (2020), "Can the shape influence entropy generation for thermal convection of identical fluid mass with identical heating? A finite element introspection", International Journal of Numerical Methods for Heat & Fluid Flow, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/HFF-05-2020-0257	1.172(2021)	0961-5539	2020
40	Cimpean D. S, Revnic C., Pop I., Natural Convection in a Square Inclined Cavity Filled with a Porous Medium with Sinusoidal Temperature Distribution on Both Side Walls, Transport In Porous Media, ISSN: 0169-3913, Volume: 130 Issue: 2 Pages: 391-404, DOI: 10.1007/s11242-019-01315-w, https://doi.org/10.1007/s11242-019-01315-w	Harish Chandra, P. Bera & Abhishek K. Sharma (2020) Natural convection in a square cavity filled with an anisotropic porous medium due to sinusoidal heat flux on horizontal walls, Numerical Heat Transfer, Part A: Applications, 77:3, 317-341, DOI: 10.1080/10407782.2019.1690348	1.132(2020)	1040-7782	2020
41		Biswas, N., Manna, N.K. & Chamkha, A.J. Effects of half-sinusoidal nonuniform heating during MHD thermal convection in Cu–Al2O3/water hybrid nanofluid saturated with porous media. *J Therm Anal Calorim* 143, 1665–1688 (2021). https://doi.org/10.1007/s10973-020-10109-y	0.876(2020)	1388-6150	2020
42		Biswas, N., Sarkar, U.K., Chamkha, A.J. *et al.* Magneto-hydrodynamic thermal convection of Cu–Al2O3/water hybrid nanofluid saturated with porous media subjected to half-sinusoidal nonuniform heating. *J Therm Anal Calorim* 143, 1727–1753 (2021). https://doi.org/10.1007/s10973-020-10123-0	0.876(2020)	1388-6150	2021
43		Chandra H., Bera P., Magneto-convection in an anisotropic porous cavity due to nonuniform heat flux at bottom wall (2022), Numerical Heat Transfer, Part A: Applications https://www.tandfonline.com/doi/full/10.1080/10407782.2022.2104590	1.132(2020)	1040-7782	2022
44		Yan-Yan Feng, Cun-Hai Wang, Yong Xiang, Xin-Xin Zhang, Internal thermal source effects on convection heat transfer in a two-dimensional porous medium: A lattice Boltzmann study, International Journal of Thermal Sciences Volume 173, 2022, 107416, https://doi.org/10.1016/j.ijthermalsci.2021.107416	1.964(2021)	1290-0729	2022