Fractional simulation for Darcy-Forchheimer hybrid na over a spinning disk

AEJ - Alexandria Engineering Journal

60, 4787-4796

DOI: 10.1016/j.aej.2021.03.062

Citation Report

#	Article	IF	Citations
1	A new generalization of some quantum integral inequalities for quantum differentiable convex functions. Advances in Difference Equations, 2021, 2021, .	3.5	23
2	Post-quantum Hermiteâ€“Hadamard type inequalities for interval-valued convex functions. Journal of Inequalities and Applications, 2021, 2021, .	1.1	16
3	On Fault-Tolerant Resolving Sets of Some Families of Ladder Networks. Complexity, 2021, 2021, 1-6.	1.6	3
4	Extensions of Hermiteâ€“Hadamard inequalities for harmonically convex functions via generalized fractional integrals. Journal of Inequalities and Applications, 2021, 2021, .	1.1	15
5	Thermo-bioconvectional transport of magneto-Casson nanofluid over a wedge containing motile microorganisms and variable thermal conductivity. AEJ - Alexandria Engineering Journal, 2022, 61, 2444-2454.	6.4	14
6	Numerical investigation for 3D bioconvection flow of Carreau nanofluid with heat source/sink and motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 2366-2375.	6.4	19
7	Numerical Approximation of Microorganisms Hybrid Nanofluid Flow Induced by a Wavy Fluctuating Spinning Disc. Coatings, 2021, 11, 1032.	2.6	46
8	Thermal analysis of magnetized flow of AA7072-AA7075/blood-based hybrid nanofluids in a rotating channel. AEJ - Alexandria Engineering Journal, 2022, 61, 3059-3068.	6.4	15
9	On melting heat transport and nanofluid in a nozzle of liquid rocket engine with entropy generation. Journal of Materials Research and Technology, 2021, 14, 3059-3069.	5.8	25
10	Further innovative optical solitons of fractional nonlinear quadratic-cubic SchrÃ¶dinger equation via two techniques. Optical and Quantum Electronics, 2021, 53, 1.	3.3	8
11	Numerical computation of melting heat transfer in nonlinear radiative flow of hybrid nanofluids due to permeable stretching curved surface. Case Studies in Thermal Engineering, 2021, 27, 101348.	5.7	23
12	Thermal activity of conventional Casson nanoparticles with ramped temperature due to an infinite vertical plate via fractional derivative approach. Case Studies in Thermal Engineering, 2021, 27, 101191.	5.7	57
13	Refinements of bounds for the arithmetic mean by new Seiffert-like means. AIMS Mathematics, 2021, 6, 9036-9047.	1.6	1
14	Spatial decay estimates for the Fochheimer equations interfacing with a Darcy equations. AIMS Mathematics, 2021, 6, 12632-12649.	1.6	0
15	Sharp bounds for Gauss Lemniscate functions and Lemniscatic means. AIMS Mathematics, 2021, 6, 7479-7493.	1.6	0
16	Assorted soliton structures of solutions for fractional nonlinear Schrodinger types evolution equations. Journal of Ocean Engineering and Science, 2022, 7, 528-535.	4.3	22
17	Existence and computational results to Volterraâ€“Fredholm integro-differential equations involving delay term. Computational and Applied Mathematics, 2021, 40, 1.	2.2	1
18	Sharp bounds for the lemniscatic mean by the one-parameter geometric and quadratic means. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2022, 116, 1.	1.2	33

#	Article	IF	Citations
19	Fractional order stagnation point flow of the hybrid nanofluid towards a stretching sheet. Scientific Reports, 2021, 11, 20429.	3.3	40
20	Computational analysis of viscous dissipation and Darcy-Forchheimer porous medium on radioactive hybrid nanofluid. Case Studies in Thermal Engineering, 2022, 30, 101728.	5.7	29
21	Simulation for influence of Y-shape fin on phase change of paraffin inside triplex pipe with using Al2O3 nanoparticles. Journal of Energy Storage, 2022, 46, 103878.	8.1	8
22	Heat transfer treatment of nanomaterial with considering turbulator effects. International Communications in Heat and Mass Transfer, 2022, 131, 105787.	5.6	40
23	Parametric estimation of gyrotactic microorganism hybrid nanofluid flow between the conical gap of spinning disk-cone apparatus. Scientific Reports, 2022, 12, 59.	3.3	39
24	Flow and Melting Thermal Transfer Enhancement Analysis of Alumina, Titanium Oxide-Based Maxwell Nanofluid Flow Inside Double Rotating Disks with Finite-Element Simulation. CMES - Computer Modeling in Engineering and Sciences, 2022, 130, 1771-1788.	1.1	1
25	Heat and Mass Transfer of the Darcy-Forchheimer Casson Hybrid Nanofluid Flow due to an Extending Curved Surface. Journal of Nanomaterials, 2022, 2022, 1-12.	2.7	14
26	Thermal Transport in Radiative Nanofluids by Considering the Influence of Convective Heat Condition. Journal of Nanomaterials, 2022, 2022, 1-11.	2.7	16
27	Mixing efficiency of hydrogen jet through multi lobe-injectors at scramjet engine: A numerical study. Aerospace Science and Technology, 2022, 120, 107293.	4.8	10
28	Dynamical and nonstandard computational analysis of heroin epidemic model. Results in Physics, 2022, 34, 105245.	4.1	7
29	Solving fractal-fractional differential equations using operational matrix of derivatives via Hilfer fractal-fractional derivative sense. Applied Numerical Mathematics, 2022, 178, 386-403.	2.1	10
30	Mathematical modeling and stability analysis of the COVID-19 with quarantine and isolation. Results in Physics, 2022, 34, 105284.	4.1	14
31	Numerical simulation of bioconvective Darcy Forchhemier nanofluid flow with energy transition over a permeable vertical plate. Scientific Reports, 2022, 12, 3228.	3.3	18
32	The parametric computation of nonlinear convection magnetohydrodynamic nanofluid flow with internal heating across a fixed and spinning disk. Waves in Random and Complex Media, 0, , 1-16.	2.7	17
33	The measles epidemic model assessment under real statistics: an application of stochastic optimal control theory. Computer Methods in Biomechanics and Biomedical Engineering, 2022, , 1-22.	1.6	5
34	Mixed convection and thermally radiative hybrid nanofluid flow over a curved surface. Advances in Mechanical Engineering, 2022, 14, 168781322210828.	1.6	10
35	Thermal transport investigation and shear drag at solidâ€“liquid interface of modified permeable radiative-SRID subject to Darcyâ€“Forchheimer fluid flow composed by Î³-nanomaterial. Scientific Reports, 2022, 12, 3564.	3.3	24
36	Fractal fractional based transmission dynamics of COVID-19 epidemic model. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 1852-1869.	1.6	16

#	Article	IF	Citations
37	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects. Scientific Reports, 2022, 12, 5586.	3.3	3
38	New numerical dynamics of the heroin epidemic model using a fractional derivative with Mittag-Leffler kernel and consequences for control mechanisms. Results in Physics, 2022, 35, 105304.	4.1	13
39	Fractional Analysis of Dissipative Viscous Fluid Flow with Mixed Convection and Variable Viscosity. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	0
40	Theoretical study of thermal and chemically reactive non-Newtonian fluid flow with Cattaneoâ€“Christov theory and Darcyâ€“Forehheimer over a stretchable surface. Waves in Random and Complex Media, 0, , 1-21.	2.7	0
41	Time fractional model of electro-osmotic Brinkman-type nanofluid with heat generation and chemical reaction effects: application in cleansing of contaminated water. Scientific Reports, 2021, 11, 24402.	3.3	12
42	Unsteady stagnation-point flow of CNTs suspended nanofluid on a shrinking/expanding sheet with partial slip: multiple solutions and stability analysis. Waves in Random and Complex Media, 0, , 1-22.	2.7	12
43	Numerical study of Williamson hybrid nanofluid flow with thermal characteristics past over an extending surface. Heat Transfer, 2022, 51, 6641-6655.	3.0	26
44	The study of Darcy-Forchheimer hybrid nanofluid flow with the thermal slip and dissipation effect using parametric continuation approach over a rotating disk. Waves in Random and Complex Media, 0, , 1-14.	2.7	11
45	Melting Heat Transition in a Spinning Flow of Silver-Magnesium Oxide/Engine Oil Hybrid Nanofluid Using Parametric Estimation. Journal of Nanomaterials, 2022, 2022, 1-13.	2.7	11
46	PREDICTIVE CONTROL OF THE VARIABLE-ORDER FRACTIONAL CHAOTIC ECOLOGICAL SYSTEM. Fractals, 0, , .	3.7	4
47	Numerical computation for the dual solution of Sisko hybrid nanofluid flow through a heated shrinking/stretching porous disk. International Journal of Ambient Energy, 2022, 43, 8802-8811.	2.5	3
48	Numerical simulation of ternary nanofluid flow with multiple slip and thermal jump conditions. Frontiers in Energy Research, 0, 10, .	2.3	16
49	Mixed Convection Nanofluid Flow with Heat Source and Chemical Reaction over an Inclined Irregular Surface. ACS Omega, 2022, 7, 30477-30485.	3.5	34
50	Irreversibility analysis for three-dimensional squeezing flow of hybrid nanofluids: a numerical study. Waves in Random and Complex Media, 0, , 1-27.	2.7	4
51	Magnetohydrodynamic hybrid nanofluid flow with the effect of Darcyâ€“Forchheimer theory and slip conditions over an exponential stretchable sheet. Advances in Mechanical Engineering, 2022, 14, 168781322211164.	1.6	6
52	Mathematical modeling of corona virus (COVID-19) and stability analysis. Computer Methods in Biomechanics and Biomedical Engineering, 0, , 1-20.	1.6	5
53	The numerical study of nanofluid flow with energy and mass transfer over a stretching/shrinking wedge. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 2134-2143.	2.5	2
54	A new efficient algorithm based on feedforward neural network for solving differential equations of fractional order. Communications in Nonlinear Science and Numerical Simulation, 2023, 117, 106968.	3.3	7

#	Article	IF	Citations
55	Numerical Simulations through PCM for the Dynamics of Thermal Enhancement in Ternary MHD Hybrid Nanofluid Flow over Plane Sheet, Cone, and Wedge. Symmetry, 2022, 14, 2419.	2.2	13
56	Impact of entropy analysis and radiation on transportation of MHD advance nanofluid in porous surface using Darcy-Forchheimer model. Chemical Physics Letters, 2023, 811, 140221.	2.6	22
57	A new accurate method for solving fractional relaxation-oscillation with Hilfer derivatives. Computational and Applied Mathematics, 2023, 42, .	2.2	2
58	Ternary hybrid nanofluids flow on a spinning disk with nonlinear thermal radiation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2023, 103, .	1.6	2
59	Thermal efficiency of radiated tetra-hybrid nanofluid [(Al₂O₃-CuO-TiO₂-Ag)/water]_{tetra} under permeability effects over vertically aligned cylinder subject to magnetic field and combined convection. Science Progress, 2023, 106, .	1.9	28
60	Numerical Investigation of Darcyâ€“Forchheimer Hybrid Nanofluid Flow with Energy Transfer over a Spinning Fluctuating Disk under the Influence of Chemical Reaction and Heat Source. Micromachines, 2023, 14, 48.	2.9	8
61	Parametric simulation of stagnation point flow of motile microorganism hybrid nanofluid across a circular cylinder with sinusoidal radius. Open Physics, 2023, 21, .	1.7	16
62	Comprehensive investigations of (Au-Ag/Blood and Cu-Fe3O4/Blood) hybrid nanofluid over two rotating disks: Numerical and computational approach. AEJ - Alexandria Engineering Journal, 2023, 72, 19-36.	6.4	23
63	Modeling of hepatitis B epidemic model with fractional operator. Open Physics, 2022, 20, 1267-1282.	1.7	0
64	Heat transfer aspects in Carreau nanofluid having hybrid nanoparticles through a porous medium. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2023, 103, .	1.6	1
65	Numerical simulation of the nanofluid flow consists of gyrotactic microorganism and subject to activation energy across an inclined stretching cylinder. Scientific Reports, 2023, 13, .	3.3	23
66	Mixed convection MHD hybrid nanofluid flow between two parallel rotating discs with joule heating and chemical reactions using bvp4c. Advances in Mechanical Engineering, 2023, 15, .	1.6	2
67	Analytical analysis of silver-water, silver-blood base nanofluid flow over fluctuating disk with the influence of viscous dissipation over fluctuating disk. Modern Physics Letters B, 2023, 37, .	1.9	5
68	Analysis of inclined magnetized unsteady cross nanofluid with buoyancy effects and energy loss past over a coated disk. Arabian Journal of Chemistry, 2023, 16, 105161.	4.9	5
69	Darcy flow of convective and radiative Maxwell nanofluid over a porous disk with the influence of activation energy. Heliyon, 2023, 9, e18003.	3.2	1
70	Analysis of interparticle spacing and nanoparticle radius on the radiative alumina based nanofluid flow subject to irregular heat source/sink over a spinning disk. Materials Today Communications, 2023, 36, 106729.	1.9	6
71	Numerical study on radiative MHD flow of viscoelastic fluids with distributed-order and variable-order space fractional operators. Mathematics and Computers in Simulation, 2024, 215, 291-305.	4.4	0
72	Darcy Forchhemier Prandtl-Eyring nanofluid flow with variable heat transfer and entropy generation using Cattaneo-Christov heat flux model: Statistical approach. Case Studies in Thermal Engineering, 2023, 49, 103376.	5.7	11

#	Article	IF	Citations
73	Thermal analysis of radiated (aluminum oxide)/water through a magnet based geometry subject to Cattaneo-Christov and Corcioneâ€™s Models. Case Studies in Thermal Engineering, 2023, 49, 103390.	5.7	13
74	Wall jet plasma fluid flow problem for hybrid nanofluids with Joule heating. International Journal of Ambient Energy, 2023, 44, 2459-2468.	2.5	16
75	Illustration of Convective Boundary Conditions on the Darcyâ€“Forchheimer Flow of Nanofluid with the Impact of Chemical Reaction. Symmetry, 2023, 15, 1728.	2.2	5
76	Active and passive control of Casson nanofluid flow on a convectively heated nonlinear stretching permeable surface with the Cattaneoâ€“Christov double diffusion theory. Numerical Heat Transfer, Part B: Fundamentals, 0, , 1-19.	0.9	0
77	A numerical approach to solve hyperbolic telegraph equations via Pellâ€“Lucas polynomials. Journal of Taibah University for Science, 2023, 17, .	2.5	0
78	Heat transfer characteristics of moving longitudinal porous fin wetted with ternary (Cuâ€“Al2O3â€“TiO2) hybrid nanofluid: ADM solution. European Physical Journal Plus, 2023, 138, .	2.6	2
79	Numerical investigation of heat source induced thermal slip effect on trihybrid nanofluid flow over a stretching surface. Results in Engineering, 2023, 20, 101536.	5.1	4
80	Intelligent computing Levenberg Marquardt paradigm for the analysis of Hall current on thermal radiative hybrid nanofluid flow over a spinning surface. Numerical Heat Transfer, Part B: Fundamentals, 0, , 1-29.	0.9	1
81	Analysis of unsteady MHD fluid flow across two parallel discs with uniform fluctuation subject to modified Hall and activation energy. International Journal of Modern Physics B, 0, , .	2.0	0
82	Computational investigation of thermal process in radiated nanofluid modulation influenced by nanoparticles (Al2O3) and molecular (H2O) diameters. Journal of Computational Design and Engineering, 2024, 11, 22-36.	3.1	1
83	HNS: An efficient hermite neural solver for solving time-fractional partial differential equations. Chaos, Solitons and Fractals, 2024, 181, 114637.	5.1	0
84	Comparative study of fractional Newellâ€“Whiteheadâ€“Segel equation using optimal auxiliary function method and a novel iterative approach. AIP Advances, 2024, 14, .	1.3	0
85	Numerical analysis of thermal improvement in hydrogenâ€based host fluids under buoyancy force and EPNM effects: Study for vertical cylinder. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , .	1.6	0
86	Analytical simulation of Darcyâ€“Forchheimer flow of hybrid nanofluid through cone with nonlinear heat source and chemical reaction. Modern Physics Letters B, 0, , .	1.9	0