

LIST OF PUBLICATIONS, DEPARTMENT OF MATHEMATICS, UNIVERSITY OF THE AEGEAN
(2005-2022)

Publications in international peer-reviewed journals

2022	<p>[1] Anoussis, M., Eleftherakis, G.K., Katavolos, A., "Idempotents of large norm and homomorphisms of Fourier algebras", <i>Studia Math.</i>, 267(1), pp. 109-120, 2022.</p> <p>[2] Anoussis, M., Eleftherakis, G.K., Katavolos, A., "Synthetic properties of locally compact groups: preservation and transference", <i>Monatshefte fur Mathematik</i>, IN PRESS, 2022.</p> <p>[3] Keremedis, K., Wajch, E., "Cuf products and cuf sums of (quasi-) metrizable spaces in ZF", <i>Periodica Mathematica Hungaria</i>, IN PRESS, 2022.</p> <p>[4] Keremedis, K., Wajch, E., "Denumerable cellular families in ZF", <i>Portugaliae Mathematica</i>, 78(3), pp. 281-321, 2022.</p> <p>[5] Keremedis, K., "k-spaces, sequential spaces and related topics in the absence of the axiom of choice", <i>Topology and its Applications</i>, 318, 2022.</p> <p>[6] Keremedis, K., Tachtsis, E., "Stranger things about the cardinality of compact metric spaces without AC" <i>Acta Mathematica Hungarica</i>, pp. 1-26, IN PRESS, 2022.</p> <p>[7] Kofinas, C.E., "Automorphisms of free centre-by-metabelian groups of small rank", <i>Archiv der Mathematik</i>, 119(4), pp. 337-350, 2022.</p> <p>[8] Malomed, B.A., Kevrekidis, P.G., Koukouloyannis, V., Whitaker, N., Frantzeskakis, D.J., "Interactions of solitary waves in the Adlam-Allen model", <i>Physical Review E</i>, 106(3), 034209, 2022.</p> <p>[9] Liagkou, V., Nastou, P.E., Spirakis, P., Stamatiou, Y.C., "How hard is it to detect surveillance? A formal study of panopticons and their detectability problem", <i>Cryptography</i>, 6(3), 42, 2022.</p> <p>[10] Eden, M., Nikolopoulos, C., Muntean, A., "A multiscale quasilinear system for colloids deposition in porous media: Weak solvability and numerical simulation of a near-clogging scenario", <i>Nonlinear Analysis: Real World Applications</i>, 63, 2022.</p> <p>[11] Mageira, K., Pittou, D., Papasalouros, A., Kotis, K., Zangogianni, P., Daradoumis, A., "Educational AI chatbots for content and language integrated learning", <i>Applied Sciences (Switzerland)</i>, 12(7), 3239, 2022.</p> <p>[12] Chatzis, D., Papasalouros, A., Kavallieratou, E., "Planning a robotic competition", <i>Computer Applications in Engineering Education</i>, 30(4), pp. 1248-1263, 2022.</p> <p>[13] Hatzinikitas, A., "The non-commutative Robertson-Schrödinger uncertainty principle" <i>Quantum Studies: Mathematics and Foundations</i>, IN PRESS, 2022.</p> <p>[14] Gkormpatsis, S.D., Housiadas, K.D., Beris, A.N., "Steady sphere translation in weakly viscoelastic UCM/Oldroyd-B fluids with perfect slip on the sphere", <i>European JI of Mechanics, B/Fluids</i>, 95 pp. 335-346, 2022.</p> <p>[15] Housiadas, K.D., Tsangaris, C., "High order lubrication theory in channels and tubes with variable geometry", <i>Acta Mechanica</i>, 233(10), pp. 4063-4081, 2022.</p>
2021	<p>[1] Anoussis, M., Felouzis, V., Tsaprounis, K., "Almost disjoint families and ultrapowers", <i>Journal of Logic & Analysis</i>, 13(4), pp. 1-13, 2021.</p> <p>[2] Diamantidis, S., Horikis, T.P., Karachalios, N.I., "Exciting extreme events in the damped and AC-driven NLS equation through plane-wave initial conditions", <i>Chaos</i>, 31(5), 053103, 2021.</p>

	<p>[3] Karamatsoukis C.C., Kyriakidis, E.G., Dimitrakos, T.D., “Two-compartment stochastic single vehicle routing problems with simultaneous pickups and deliveries from N ordered customers”, <i>Int. JI of Systems Science: Operations and Logistics</i>, 8(2), pp. 185-203, 2021.</p> <p>[4] Gialelis, N., Karachalios, N.I., Stratis, I.G., “Regularity of nonvanishing-at infinity or at the boundary-solutions of the defocusing nonlinear Shrödinger equation”, <i>Communications in Partial Differential Equations</i>, 46(2), pp. 233-281, 2021.</p> <p>[5] Keremedis, K., Tachtsis, E., Wajch, E., “Several results on compact metrizable spaces in ZF”, <i>Monatshefte fur Mathematik</i>, 196(1), pp. 67-102, 2021.</p> <p>[6] Keremedis, K., Tachtsis, E., Wajch, E., “Second-countable compact Hausdorff spaces as remainders in ZF and two notions of infiniteness”, <i>Topology and its applications</i>, 298, 107732, 2021.</p> <p>[7] Keremedis, K., Wajch, E., “Denumerable cellular families in ZF”, <i>Portugaliae Mathematica</i>, 78(3-4), pp. 281-321, 2021.</p> <p>[8] Drosinou, O., Kavallaris, N.I., Nikolopoulos, C.V., “A study of a nonlocal problem with Robin boundary conditions arising from technology”, <i>Mathematical Methods in the Applied Sciences</i>, 44(13), 10084-10120, 2021.</p> <p>[9] Kostas D. Housiadas, “An active body in a Phan-Thien & Tanner fluid; the effect of the third polar squirmer mode”, <i>Physics of Fluids</i>, 33(4), 2021.</p> <p>[10] Kostas D. Housiadas, Jeremy P. Binagia, & Eric S.G. Shaqfeh, “Squirmer with Swirl at Low Weissenberg Number”, <i>Journal of Fluid Mechanics</i>, vol. 911, A16, 2021.</p> <p>[11] Kostas D. Housiadas, “The singularity of the UCM/Oldroyd-B models at a finite Weissenberg number, for the steady sphere translation with Navier slip on the sphere”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 298, 104679, 2021.</p>
2020	<p>[1] Kyriakidis, E.G., Dimitrakos, T.D., Karamatsoukis, C.C., “A stochastic single vehicle routing problem with predefined sequence of customers and collection of two similar materials”, <i>Methodology and Computing in Applied Probability</i>, 22(4), pp. 1559-1582, 2020.</p> <p>[2] Karamatsoukis, C.C., Kyriakidis, E.G., Dimitrakos, T.D., “Two-compartment stochastic single vehicle routing problems with simultaneous pickups and deliveries from N ordered customers”, <i>Int. J. of Systems Science: Operations and Logistics</i>, 2020.</p> <p>[3] Abbas, G., Kevrekidis, P.G., Allen, J.E., Koukouloyannis, V., Frantzeskakis, D.J., Karachalios, N., “Propagation of periodic wave trains along the magnetic field in a collision-free plasma”, <i>Jnt J. of Physics A: Mathematical and Theoretical</i>, 53(42), 2020.</p> <p>[4] Karachalios, N.I., Kyriazopoulos, P., Vetas, K., “The Lefever-Lejeune nonlinear lattice: Convergence dynamics and the structure of equilibrium states”, <i>Physica D: Nonlinear Phenomena</i>, 409, 2020.</p> <p>[5] Allen, J.E., Frantzeskakis, D.J., Karachalios, N.I., Kevrekidis, P.G., Koukouloyannis, V., “Solitary and periodic waves in collisionless plasmas: The Adlam-Allen model revisited”, <i>Physical Review E</i>, 102(1), 2020.</p> <p>[6] Sullivan, J., Charalampidis, E.G., Cuevas-Maraver, J., Kevrekidis, P.G., Karachalios, N.I., “Kuznetsov-Ma breather-like solutions in the Salerno model”, <i>European Physical JI Plus</i>, 135(5), 2020.</p> <p>[7] Fotopoulos, G., Frantzeskakis, D.J., Karachalios, N.I., Kevrekidis, P.G, Koukouloyannis, V., Vetas, K., “Extreme wave events for a nonlinear Schrödinger equation with linear damping and Gaussian driving”, <i>Communications in Nonlinear Science and Numerical Simulation</i>, 82, 2020.</p>

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