

LIST OF PUBLICATIONS, DEPARTMENT OF MATHEMATICS, UNIVERSITY OF THE AEGEAN
(2005-2023)

Publications in international peer-reviewed journals

2023	<p>[1] Andreolas, G., Anoussis, M., Magiatis, C., “Compact multiplication operators on semicrossed products”, <i>Studia Mathematica</i>, 269, pp. 193-207, 2023.</p> <p>[2] Chatzimichalis, G., Papasalouros, A., “Integrating assessment in a CSCL Macro-Script authoring platform”, <i>Applied Sciences (Switzerland)</i>, 13(3), 1537, 2023.</p> <p>[3] Drosinou, O., Nikolopoulos, C.V., Matzavinou, A., Kavallaris, N.I., “A stochastic parabolic model of MEMS driven by fractional Brownian motion”, <i>Jl of Mathematical Biology</i>, 86(5), 73, 2023.</p> <p>[4] Nikolopoulos, C., Eden, M., Muntean, A., “Multiscale simulation of colloids ingressing porous layers with evolving internal structure: A computational study”, <i>GEM – Int. Jl of Geomathematics</i>, 14(1), 1, 2023.</p> <p>[5] Hatzinikitas, A.N., “The non-commutative Robertson-Schrödinger uncertainty principle”, <i>Quantum Studies: Mathematics and Foundations</i>, 10(1), pp. 67-78, 2023.</p> <p>[6] Housiadas, K.D., & Tsangaris, C., “Channel flow with variable geometry and Navier slip at the walls using high order lubrication theory”, <i>European Jl of Mechanics B/Fluids</i>, 98, 2023.</p> <p>[7] Housiadas, K., “Improved convergence based on two-point Padé approximants: simple shear, uniaxial elongation, and flow past a sphere”, <i>Physics of Fluids</i>, 35(1), 2023.</p> <p>[8] Housiadas, K., Georgiou, G.C., “The analytical solution for the flow of a Papanastasiou fluid in ducts with variable geometry”, <i>to appear</i>, 2023.</p>
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>, 85(2), pp. 448-473, 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>, 168(1), pp. 269-294, 2022.</p> <p>[7] Hall, E., Keremedis, K., “Independent families and some notions of finiteness”, <i>Archive for Mathematical Logic</i>, IN PRESS, 2022.</p> <p>[8] Keremedis, K., “On subcompactness and countable subcompactness of metrizable spaces in ZF”, <i>Commentationes Mathematicae Universitatis Carolinae</i>, 63(2), pp. 229-244, 2022.</p> <p>[9] 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>[10] 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>[11] 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>[12] 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>[13] 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>[14] 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>[15] Hatzinikitas, A., “The non-commutative Robertson-Schrödinger uncertainty principle” Quantum Studies: Mathematics and Foundations, IN PRESS, 2022.</p> <p>[16] 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>[17] 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>
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2018	<p>[1] Keremedis, K., “Two new equivalents of Lindelöf metric spaces”, <i>Mathematical Logic Quarterly</i>, 64(1-2), pp. 37-43, 2018.</p> <p>[2] Keremedis, K., “On metric spaces where continuous real valued functions are uniformly continuous and related notions”, <i>Topology and its Applications</i>, 238 pp. 45-53, 2018.</p> <p>[3] Herrich, H., Howard, P., Keremedis, K., “On extensions of countable filterbases to ultrafilters and ultrafilter compactness”, <i>Quaestiones Mathematicae</i>, 41(2), pp. 213-225, 2018.</p> <p>[4] Keremedis, K., “Clopen ultrafilters of ω and the cardinality of the stone space $s(\omega)$ in ZF”, <i>Topology Proceedings</i>, 51, pp. 1-17, 2018.</p> <p>[5] Keremedis, K., “On pseudocompactness and related notions in ZF”, <i>Commentationes Mathematicae Universitatis Carolinae</i>, 59(3), pp. 371-381, 2018.</p> <p>[6] Keremedis, K., “Second countable UC metric spaces are lebesgue in ZF”, <i>Topology Proceedings</i>, 52, pp. 73-93, 2018.</p> <p>[7] Keremedis, K., “Some versions of second countability of metric spaces in ZF and their role to compactness”, <i>Commentationes Mathematicae Universitatis Carolinae</i>, 59(1), pp. 119-134, 2018.</p> <p>[8] Lyberopoulos, A.N., “Quasilinear scalar field equations involving critical Sobolev exponents and potentials vanishing at infinity”, <i>Proceedings of the Edinburgh Mathematical Society</i>, 61(3), pp. 705-733, 2018.</p> <p>[9] Metaftsis, V., Papistas, A.I., Sevaslidou, I., “Quotient groups of IA-automorphisms of a free group of rank 3”, <i>Int. JI of Algebra and Computation</i>, 28(1), pp. 115-131, 2018.</p> <p>[10] Metaftsis, V., Prassidis, S., “Topological rigidity of quasitoric manifolds”, <i>Mathematica Scandinavica</i>, 122(2), pp. 179-196, 2018.</p> <p>[11] Batakidis, P., Papalexiou, N. “W-algebras and Duflo isomorphism”, <i>Journal of Algebra and its Applications</i>, 17(3), 2018.</p> <p>[12] Giannakas, F., Kambourakis, G., Papasalouros, A., Gritzalis, S., “A critical review of 13 years of mobile game-based learning”, <i>Educational Technology Research and Development</i>, 66(2), pp. 341-384, 2018.</p> <p>[13] Charitos, C., Papadoperakis, I., Tsapogas, G., “On Riemannian surfaces with conical singularities”, <i>Rocky Mountain JI of Mathematics</i>, 48(5), pp. 1455-1474, 2018.</p> <p>[14] Tsaprounis, K., “ON $C^{(n)}$-Extendible Cardinals”, <i>Journals of Symbolic Logic</i>, 83(3), pp. 1112-1131, 2018.</p> <p>[15] Asperó, D., Tsaprounis, K., “Long Reals”, <i>Journal of Logic and Analysis</i>, 10, 2018.</p> <p>[16] Kostas D. Housiadas & Roger I. Tanner, “Viscoelastic shear flow past an infinitely long and freely rotating cylinder”, <i>Physics of Fluids</i>, 30(7), 2018.</p>

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