

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

Publications in international peer-reviewed journals

2023	<p>[1] Anoussis, M., Eleftherakis, G.K., Katavolos, A., “Synthetic properties of locally compact groups: preservation and transference”, <i>Monatshefte für Mathematik</i>, 201(2), pp. 329-347, 2023.</p> <p>[2] Andreolas, G., Anoussis, M., Magiatis, C., “Compact multiplication operators on semicrossed products”, <i>Studia Mathematica</i>, 269(2), pp. 193-207, 2023.</p> <p>[3] Barbatis, G., Gkikas, K.T., Tertikas, A., “Heat and Martin Kernel estimates for Schrödinger operators with critical Hardy potentials”, <i>Mathematische Annalen</i>, IN PRESS, 2023.</p> <p>[4] Drosinou, O., Nikolopoulos, C.V., Matzavinos, 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>[5] Keremedis, K., Tachtsis, E., “On Hausdorff operators in”, <i>Mathematical Logic Quarterly</i>, 69(3), pp. 347-369, 2023.</p> <p>[6] Keremedis, K., Tachtsis, E., Wajch, E., “On Iso-dense and Scattered Spaces without AC”, <i>Results in Mathematics</i>, 78(4), 2023.</p> <p>[7] Keremedis, K., Tachtsis, E., Wajch, E., “Countable products and countable direct sums of compact metrizable spaces in the absence of the Axiom of Choice”, <i>Annals of Pure and Applied Logic</i>, 174(7), 2023.</p> <p>[8] Hall, E., Keremedis, K., “Independent families and some notions of finiteness”, <i>Archive for Mathematical Logic</i>, 62(5-6), pp. 689-701, 2023.</p> <p>[9] Kofinas, C.E., Metaftsis, V., Papistas, A.I., “Baumslag-Solitar groups and residual nilpotence”, <i>Proceedings of the Edinburgh Mathematical Society</i>, 66(2), pp. 532-547, 2023.</p> <p>[10] 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), 2023.</p> <p>[11] Koutras, C.D., Moyzes, C., Nomikos, C., Tsaprounis, K., Zikos, Y., “On weak filters and ultrafilters: Set theory from (and for) knowledge representation”, <i>Logic Jl of the IGPL</i>, 31(1), pp. 68-95, 2023.</p> <p>[12] 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>[13] Chatzimichalis, G., Papasalouros, A., “Integrating assessment in a CSCL Macro-Script authoring platform”, <i>Applied Sciences (Switzerland)</i>, 13(3), 2023.</p> <p>[14] Housiadas, K., Georgiou, G.C., “The analytical solution for the flow of a Papanastasiou fluid in ducts with variable geometry”, <i>Jl of Non-Newtonian Fluid Mechanics</i>, 319, 2023.</p> <p>[15] 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, pp. 194-207, 2023.</p> <p>[16] 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>
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” <i>Quantum Studies: Mathematics and Foundations</i>, 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>
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 Schrödinger 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 für 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 squirming mode”, <i>Physics of Fluids</i>, 33(4), 2021.</p> <p>[10] Kostas D. Housiadas, Jeremy P. Binagia, & Eric S.G. Shaqfeh, “Squirmlers 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 J 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> <p>[8] Fotopoulos, G., Karachalios, N.I., Koukouloyannis, V., Vetas, K., “The linearly damped nonlinear Schrödinger equation with localized driving: spatiotemporal decay estimates and the emergence of extreme wave events”, <i>Zeitschrift für Angewandte Mathematik und Physik</i>, 71(1), 2020.</p>

	<p>[9] Keremedis, K., Wajch, E., “On Loeb and sequential spaces in ZF”, <i>Topology and its Applications</i>, 280, 107279, 2020.</p> <p>[10] Keremedis, K., Tachtsis, E., “Cellularity of infinite Hausdorff spaces in ZF”, <i>Topology and its Applications</i>, 274, 107104, 2020.</p> <p>[11] Keremedis, K., Wajch, E., “On densely complete metric spaces and extensions of uniformly continuous functions in ZF”, <i>Int. J. of Convex Analysis</i>, 27(40), 2020.</p> <p>[12] Kofinas, C.E., Metaftsis, V., Papistas, A.I., “IA-automorphisms and Lie algebras related to the McCool group”, <i>Int. J. of Algebra</i>, 542, pp. 162-189, 2020.</p> <p>[13] Muntean, A., Nikolopoulos, C., “Colloidal transport in locally periodic evolving porous-media – An upscaling exercise”, <i>SIAM JI of Applied Mathematics</i>, 80(1), pp. 448-475, 2020.</p> <p>[14] Kotis, K., Spiliotopoulos, D., Papasalouros, A., “Intelligent Collaborative Authoring of Place-Based, Cross-Cultural and Media-Rich Experiences”, <i>Challenges</i>, 11(1), 2020.</p> <p>[15] Lorenzo Fusi, Kostas D. Housiadas, & George C. Georgiou, “Flow of a Bingham fluid in a pipe of variable radius”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 285, 104393, 2020.</p> <p>[16] Jeremy P. Binagia, Ardella Phoa, Kostas D. Housiadas, & Eric S.G. Shaqfeh, “Swimming with swirl in a viscoelastic fluid”, <i>Journal of Fluid Mechanics</i>, vol. 900, A4, 2020.</p> <p>[17] Kostas D. Housiadas, & Roger I. Tanner, “The analytical solution of the Brinkman model for non-Brownian suspensions with Navier slip on the particles”, <i>International Journal of Multiphase Flow</i>, 129, 103298, 2020.</p> <p>[18] Kostas D. Housiadas, “Viscoelastic fluids with pressure-dependent viscosity; exact analytical solutions and their singularities in unidirectional Poiseuille flows”, <i>International Journal of Engineering Science</i>, 147, 2020.</p> <p>[19] Spyros D. Gkormpatsis, Evgenios A. Gryparis, Kostas D. Housiadas, & Antony N. Beris, “Steady slip translation in a viscoelastic fluid with slip on the surface of the sphere”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 275, 104217, 2020.</p>
2019	<p>[1] Anoussis, M., Ozawa, N., Todorov, I.G., “Norms of vector functionals”, <i>Proceedings of the American Mathematical Society</i>, 147(5), pp. 2057-2068, 2019.</p> <p>[2] Anoussis, M., Katavolos, A., Todorov, I.G., “Bimodules over VN(G), harmonic operators and the non-commutative Poisson boundary”, <i>Studia Mathematica</i>, 249(2), pp. 193-213, 2019.</p> <p>[3] Kyriakidis, E.G., Dimitrakos, T.D., “Stochastic single vehicle routing problem with ordered customers and partial fulfilment of demands”, <i>Int. JI of Systems Science: Operations and Logistics</i>, 6(3), pp. 285-299, 2019.</p> <p>[4] Kyriakidis, E.G., Dimitrakos, T.D., Karamatsoukis, C.C., “Optimal delivery of two similar products to N ordered customers with product preferences”, <i>Int J. of Production Economics</i>, 209, pp. 194-204, 2019.</p> <p>[5] Fotopoulos, G., Karachalios, N.I., Koukouloyannis, V., Vetas, K., “Collapse dynamics for the discrete nonlinear Schrödinger equation with gain and loss”, <i>Communications in Nonlinear Science and Numerical Simulation</i>, 72, pp. 213-231, 2019.</p> <p>[6] Karachalios, N.I., Kyriazopoulos, P., Vetas, K., “Excitation of Peregrine-Type waveforms from vanishing initial conditions in the presence of periodic forcing”, <i>Zeitschrift fur Naturforschung – Section A JI of Physical Sciences</i>, 74(5), pp. 371-382, 2019.</p> <p>[7] Frantzeskakis, D.J., Karachalios, N.I., Kevrekidis, P.G., Koukouloyannis, V., Vetas, K., “Dynamical transitions between equilibria in a dissipative Klein-Gordon lattice”, <i>Jl of Mathematical Analysis and Applications</i>, 472(1), pp. 546-576, 2019.</p>

	<p>[8] Keremedis, K., "On lightly and countably compact spaces in ZF", <i>Quaestiones Mathematicae</i>, 42(5), pp. 579-592, 2019.</p> <p>[9] Keremedis, K., Wajch, E., "Hausdorff compactifications in ZF", <i>Topology and its Applications</i>, 258, pp. 79-99, 2019.</p> <p>[10] Keremedis, K., Ozel, C., Piekosz, A., Al Shumrani, M.A., Wajch, E., "Compact complement topologies and k-spaces", <i>Filomat</i>, 33(7), pp. 2061-2071, 2019.</p> <p>[11] Magiatis, C., "Elementary operators on the algebra of adjointable operators on a Hlibert module", <i>Jl of Mathematical Analysis and Applications</i>, 475(1), pp. 628-640, 2019.</p> <p>[12] Nikolopoulos, C.V., "Macroscopic models for calcium carbonate corrosion due to sulfation. Variation of diffusion and volume expansion", <i>European J. of Applied Mathematics</i>, 30(3), pp. 529-556, 2019.</p> <p>[13] Giannakas, F., Papasalouros, A., Kambourakis G., Gritzalis, S., "A comprehensive cybersecurity learning platform for elementary education", <i>Information Security Journal</i>, 28(3), pp. 81-106, 2019.</p> <p>[14] Cai, J., Tsaprounis, K., "On strengthenings of superstrong cardinals", <i>New York Journal of Mathematics</i>, 25, pp. 174-194, 2019.</p> <p>[15] Koufogiorgos, T., Tsihlias, C., "Contact Metric Three-Manifolds with Constant Scalar Torsion", <i>Journal of the Australian Mathematical Society</i>, 107(2), pp. 234-255, 2019.</p> <p>[16] Kostas D. Housiadas & Antony N. Beris, "Variables viscosity effects for the flow around a sphere", <i>Physics of Fluids</i>, 31(11), 2019.</p> <p>[17] Kostas D. Housiadas, "Steady sedimentation of a spherical particle under constant rotation", <i>Phys. Rev. Fluids</i>, 4 (10), 2019.</p> <p>[18] Evgenios A. Gryparis, Spyros D. Gkormpatsis, Kostas D. Housiadas & Roger I. Tanner, "Viscoelastic planar elongational past an infinitely long cylinder", <i>Physics of Fluids</i>, 31(3), 2019.</p>
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., Papalexioy, 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. Housiadass & Roger I. Tanner, "Viscoelastic shear flow past an infinitely long and freely rotating cylinder", <i>Physics of Fluids</i>, 30(7), 2018.</p> <p>[17] Kostas D. Housiadass, Iasonas Ioannou & Georgios C. Georgiou, "Lubrication solution of the axisymmetric Poiseuille flow of a Bingham fluid with pressure-dependent rheological parameters", <i>Journal of Non-Newtonian Fluid Mechanics</i>, 262, pp. 38-51, 2018.</p> <p>[18] Kostas D. Housiadass, Gaurab Samanta, Antony N. Beris, "On the tails of probability density functions in Newtonian and drag-reducing viscoelastic turbulent channel flows", <i>Journal of Non-Newtonian Fluid Mechanics</i>, 2018.</p> <p>[19] Pandelitsa Panaseti, Yiolanda Damianou, Georgios G. Georgiou & Kostas D. Housiadass, "Pressure-driven flow of a Herschel-Bulkley fluid with pressure-dependent rheological parameters", <i>Physics of Fluids</i>, 30 (030701), 2018.</p> <p>[20] Kostas D. Housiadass & Georgios C. Georgiou, "An analytical solution for the flow of a Newtonian fluid with pressure-dependent viscosity in a rectangular duct", <i>Applied Mathematics and Computation</i>, 322, pp. 123-128, 2018.</p>
2017	<p>[1] Andreolas, G., Anoussis, M., "Topological radicals of nest algebras", <i>Studia Mathematica</i>, 237(2), pp. 177-184, 2017.</p> <p>[2] Andreolas, G., Anoussis, M., "Compact multiplication operators on nest algebras", <i>Jl of Operator Theory</i>, 77(1), pp. 171-189, 2017.</p> <p>[3] Anastassi, Z.A., Fotopoulos, GG., Frantzeskakis, D.J., Horikis, T.P., Karachalios, N.I., Kevrekidis, P.G., Stratis, I.G., Vetas, K., "Spatiotemporal algebraically localized waveformsfor a nonlinear Schrodinger model with gain and loss", <i>Physica D: Nonlinear Phenomena</i>, 355, pp. 24-33, 2017.</p> <p>[4] Cuevas-Maraver, J., Kevrekidis, P.G., Frantzeskakis, D.J., Karachalios, N.I., Haragus, M., James, G., "Floquet analysis of Kuznetsov-Ma breathers: A path towards spectral stability of rogue waves", <i>Physical Review E</i>, 96(1), 012202, 2017.</p> <p>[5] Keremedis, K., "Metric spaces on which continuous functions are "almost" uniformly continuous", <i>Topology and its Applications</i>, 232, pp. 256-266, 2017.</p> <p>[6] Keremedis, K., "Extending T_1 topologies to hausdorff with the same sets of limit points" <i>Topology Proceedings</i>, 49, pp. 121-133, 2017.</p> <p>[7] Metaftsis, V., Papistas, A.I., "On the McCool group M_3 and its associated Lie algebra", <i>Communications in Algebra</i>, 45(3), pp. 1076-1104, 2017.</p>

	<p>[8] Panos M. Pardalos, Nikolaos Giovanopoulos, Panayotis E. Nastou, and Yannis C. Stamatiou, "A Secret Key Information Hiding in Digital Images Protocol based on Steganographic Methods in Image Frequency Domain", <i>International JI on Applied and Experimental Mathematics</i>, ISSN: 2456-8155, Vol. 2, 2017.</p> <p>[9] Kostas D. Housiadas, "Improved convergence based on linear and non-linear transformations at low and high Weissenberg asymptotic analysis", <i>Journal of Non-Newtonian Fluid Mechanics</i>, 247, pp. 1-14, 2017.</p>
2016	<p>[1] Anoussis, M., Katavolos, A., Todorov, I.G., "Ideals of the Fourier algebra, supports and harmonic operators", <i>Mathematical Proceedings of the Cambridge Philosophical Society</i>, 161(2), pp. 223-235, 2016.</p> <p>[2] Kyriakidis, E.G., Dimitrakos, T.D., "A semi-Markov decision model for the optimal control of a simple immigration-birth-death process through the introduction of a predator", <i>Communications in Statistics – Theory and Methods</i>, 45(13), pp. 3860-3873, 2016.</p> <p>[3] Achilleos, V., Diamantidis, S., Frantzeskakis, D.J., Horikis, T.P., Karachalios, N.I., Kevrekidis, P.G., "Collapse for the higher-order nonlinear Shrodinger equation" <i>Physica D: Nonlinear Phenomena</i>, 316, pp. 57-68, 2016.</p> <p>[4] Keremedis, K., "On metric spaces where continuous real valued functions are uniformly continuous in ZF", <i>Topology and its Application</i>, 210, pp. 366-375, 2016.</p> <p>[5] Keremedis, K., "Non-discrete metrics in and some notions of finiteness", <i>Mathematical Logic Quarterly</i>, 62(4-5), pp. 383-390, 2016.</p> <p>[6] Herrlich, H., Howard, P., Keremedis, K., "On preimages of ultrafilters in ZF", <i>Commentationes Mathematicae Universitatis Carolinae</i>, 57(2), pp. 241-252. 2016.</p> <p>[7] Keremedis, K., "Some notions of separability in ZF and their relation to compactness", <i>Bul. Polish. Acad. Sci. Math.</i>, 64, pp. 119-136, 2016.</p> <p>[8] Keremedis, K., "On sequential compactness and related notions of compactness of metric spaces in ZF", <i>Bul. Polish Acad. Sci. Math.</i>, 64, pp. 29-46, 2016.</p> <p>[8] Metaftsis, V., Prassidis, S., "On the K-theory of certain extensions of free groups", <i>Forum Mathematicum</i>, 28(5), pp. 813-822, 2016.</p> <p>[9] Nastou, P.E., Papadinas, V., Pardalos, P.M., Stamatiou, Y.C. "On a new edge function on complete weighted graphs and its application for locating Hamiltonian cycles of small weight", <i>Optimization Letters</i>, 10(6), pp. 1203–1220, 2016.</p> <p>[10] Avgerou, A., Nastou, P.E. Nastouli, D., Pardalos, P.M., Stamatiou, Y.C. "On the deployment of citizens' privacy preserving collective intelligent ebusiness models in smart cities", <i>Int. JI of Security and its Applications</i>, 10(2), pp. 171-184, 2016.</p> <p>[11] Kavallaris, N.I., Lacey, A.A., Nikolopoulos, C.V., "On the quenching of a non-local parabolic problem arising in electrostatic MEMS control", <i>Nonlinear Analysis, Theory, Methods and Applications</i>, 138, pp. 189-206, 2016.</p> <p>[12] Giannakas, F., Kambourakis, G., Papasalouros, A., Gritzalis, S., "Security education and awareness for K-6 going mobile" <i>Int. JI of Interactive Mobile Technologies</i>, 10(2), pp. 41-48, 2016.</p> <p>[13] Stefanopoulos, V., "An isoperimetric type inequality for the principal eigenvalue of Schrodinger operators depending on the curvature of a loop", <i>Jl of Differential Equations</i>, 260(1), pp. 115-132, 2016.</p> <p>[14] Charitos, C., Papadoperakis, I., Tsapogas, G., "The geometry of Euclidean surfaces with conical singularities", <i>Mathematische Zeitschrift</i>, 284(3-4), pp. 1073-1087, 2016.</p>

	<p>[15] Giannopoulos, A., Hioni, L., Tsolomitis, A., “Asymptotic shape of the convex hull of isotropic log-concave random vectors”, <i>Advances in Applied Mathematics</i>, 75, pp. 116-143, 2016.</p> <p>[16] Giannopoulos, A., Markessinis, E., Tsolomitis, A., “Remarks on an inequality of Rogers and Shephard”, <i>Proceedings of the American Mathematical Society</i>, 144(2), pp. 763-773, 2016.</p> <p>[17] Douka, P., Felouzis, V., “Families of sets which can be represented as sublattices of the lattice of convex subsets of a linearly ordered set”, <i>Mathematica Slovaca</i>, 66(3), pp. 545-556, 2016.</p> <p>[18] Kostas D. Housiadas & Georgios C. Georgiou, “New analytical solutions for weakly compressible Newtonian fluids with pressure-dependent viscosity”, <i>Int. Journal of Engineering Science</i>, 107, 2016.</p> <p>[19] Kostas D. Housiadas & Roger I. Tanner, “A high-order perturbation solution for the steady sedimentation of a sphere in a viscoelastic fluid”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 233, pp. 166-180, 2016.</p>
2015	<p>[1] Anoussis M., Felouzis, V., Todorov, I.G., “Tensor products of measurable operators”, <i>Illinois JI of Mathematics</i>, 59(3), pp. 577-595, 2015.</p> <p>[2] Dimitrakos, T.D., Kyriakidis, E.G., “A single vehicle routing problem with pickups and deliveries, continuous random demands and predefined customer order”, <i>European JI of Operational Research</i>, 244(3), pp. 990-993, (2015).</p> <p>[3] Achilleos, V., Diamantidis, S., Frantzeskakis, D.J., Karachalios, N.I., Kevrekidis, P.G., “Conservation laws, exact traveling waves and modulation instability for an extended nonlinear Schrodinger equation”, <i>Jl of Physics A: Mathematical and Theoretical</i>, 48(35), 355205, 2015.</p> <p>[4] Keremedis, K., “On sequentially closed subsets of the real line in ZF”, <i>Mathematical Logic Quarterly</i>, 61(1-2), pp. 24-31, 2015.</p> <p>[5] Herrlich, H., Keremedis, K., “On the metric reflection of a pseudometric space in ZF”, <i>Commentationes Mathematicae Universitatis Carolinae</i>, 56(1), pp. 77-88, 2015.</p> <p>[6] Keremedis, K., “On the Boolean prime ideal theorem and certain coverings of cantor cubes”, <i>Topology Proceedings</i>, 45, pp. 5-8, 2015.</p> <p>[7] Kavallaris, N.I., Lacey, A.A., Nikolopoulos, C.V., Tzanetis, D.E., “On the quenching behavior of a semilinear wave equation modelling mems technology”, <i>Discrete and Continuous Dynamical Systems – Series A</i>, 35(3), pp. 1009-1037, 2015.</p> <p>[8] Giannopoulos, A., Stavrakakis, P., Tsolomitis, A., Vritsiou, B.-H., “Geometry of the L^q-centroid bodies of an isotropic log-concave”, <i>Transactions of the American Mathematical Society</i>, 367(7), pp. 4569-4593, 2015.</p> <p>[9] Hatzinikitas, A.N., “The partition function of the Dirichlet operator $D_{2s} = \sum_{i=1}^d (-\partial_i^2)$ on a $d -$ dimensional rectangle cavity”, <i>Jl of Mathematics</i>, 2015, 785720, 2015.</p> <p>[10] Hatzinikitas, A.N., “Self-similar solutions of Renyi’s entropy and the concavity of its entropy power”, <i>Entropy</i>, 17(9), pp. 6056-6071, 2015.</p> <p>[11] Kostas D. Housiadas, “An effective medium approach for the elongational viscosity of non-colloidal suspensions with Newtonian matrix fluids”, <i>Physics of Fluids</i>, 27(8), 2015.</p> <p>[12] Kostas D. Housiadas, “An exact analytical solution for viscoelastic fluids with pressure-dependent viscosity”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 123, pp. 147-156, 2015.</p>

	<p>[13] Kostas D. Housiadas, "Internal viscoelastic flows with exponential type pressure-dependent viscosity and relaxation time", <i>Journal of Rheology</i>, 59(3), pp. 769-791, 2015.</p> <p>[14] Stella Poyiadji, Kostas D. Housiadas, Katerina Kaouri & Georgios C. Georgiou, "Asymptotic solutions of weakly compressible Newtonian Poiseuille flows with pressure-dependent viscosity", submitted, <i>European Journal of Mechanics B/Fluids</i>, 49, pp. 217-225, 2015.</p> <p>[15] Kostas D. Housiadas, Georgios C. Georgiou & Roger I. Tanner, "A note on the unbounded creeping flow past a sphere for Newtonian fluids with pressure-dependent viscosity", <i>International Journal of Engineering Science</i>, 86, pp. 1-9, 2015.</p>
2014	<p>[1] Anoussis, M., Katavolos, A., Todorov, I.G., "Ideals of A(G) and bimodules over maximal abelian selfadjoint algebras" <i>Jl of Functional Analysis</i>, 266(11), pp. 6473-6500, 2014.</p> <p>[2] Yue, H., Molina, M.I., Kevrekidis, P.G., Karachalios, N.I., "Self-trapping transition for a nonlinear impurity within a linear chain" <i>Jl of Mathematical Physics</i>, 55(10), 102703, 2014.</p> <p>[3] Herrlich, H., Keremedis, K., "Separable connected metric spaces need not have continuum size in ZF", <i>Topology and its Applications</i>, 161(1), pp. 397-406, 2014.</p> <p>[4] Nikolopoulos, C.V., "Mathematical modelling of a mushy region formation during sulphation of calcium carbonate", <i>Networks and Heterogeneous Media</i>, 9(4), pp. 635-654, 2014.</p> <p>[5] Nikolopoulos, C.V., "Macroscopic models for a mushy region in concrete corrosion", <i>Jl of Engineering Mathematics</i>, 91(1), pp. 143-163, 2014.</p> <p>[6] Charitos, C., Papadoperakis, I., Tsapogas, G., "On the mapping class group of a Heegaard splitting" <i>Glasgow Mathematical Journal</i>, 56(1), pp. 93-101, 2014.</p> <p>[7] Kostas D. Housiadas & Roger I. Tanner, "A model for the shear viscosity of non-colloidal suspensions with Newtonian matrix fluids", <i>Rheologica Acta</i>, 53 (11), pp. 831-841, 2014.</p> <p>[8] Kostas D. Housiadas, "Stress diffusion and high order viscoelastic effects in the 3D flow past a sedimenting sphere subject to orthogonal shear", <i>Rheologica Acta</i>, 53 (7), pp. 537-548, 2014.</p> <p>[9] Kostas D. Housiadas & Roger I. Tanner, "Rheology effects in the 3D creeping flow past a sedimenting sphere subject to orthogonal shear", <i>Physics of Fluids</i>, 26 (1), 17 pages, 2014.</p> <p>[10] Roger I. Tanner, Kostas D. Housiadas, & Fuzhong Qi, "Mechanism of drag increase on spheres in viscoelastic cross-shear flows", <i>Journal of Non-Newtonian Fluid Mechanics</i>, 203, pp.51-53, 2014.</p>
2013	<p>[1] Dafnis, N., Giannopoulos, A., Tsolomitis, A., "Quermaßintegrals and asymptotic shape of random polytopes in an isotropic convex body", <i>Michigan Mathematical Jl</i>, 62(1), pp. 59-79, 2013.</p> <p>[2] Achilleos, V., Alvarez, A., Cuevas, J., Frantzeskakis, D.J., Karachalios, N.I., Kevrekidis, P.G., Sanchez-Rey, B., "Escape dynamics in the discrete repulsive φ^4 model", <i>Physica D: Nonlinear Phenomena</i>, 244(1), pp. 1-24, 2013.</p> <p>[3] Karachalios, N.I., Sanchez-Rey, B., Kevrekidis, P.G., Cuevas, J., "Breathers for the discrete nonlinear Schrodinger equation with nonlinear hopping", <i>Jl of Nonlinear Science</i>, 23(2), pp. 205-239, 2013.</p> <p>[4] Keremedis, K., "The Boolean prime ideal theorem and products of cofinite topologies", <i>Mathematical Logic Quarterly</i>, 59(6), pp. 382-392, 2013.</p>

	<p>[5] Hall, E.J., Keremedis, K., Tachtsis, E., “The existence of free ultrafilters on ω does not imply the extension of filters on ω to ultrafilters”, <i>Mathematical Logic Quarterly</i>, 59(4-5), pp. 258-267, 2013.</p> <p>[6] Hall, E.J., Keremedis, K., “Āech-stone compactifications of discrete spaces in ZF and some weak forms of the Boolean prime ideal theorem”, <i>Topology Proceedings</i>, 41, pp. 111-122, 2013.</p> <p>[7] Keremedis, K., Tachtsis, E., “Wallman compactifications and Tychonoff’s compactness theorem in ZF”, <i>Topology Proceedings</i>, 42, pp. 275-297, 2013.</p> <p>[8] Hall, H., Keremedis, K., “On BPI restricted to Boolean algebras of size continuum”, <i>Bul. Polish. Acad. Sci. Math.</i>, 61, pp. 9-21, 2013.</p> <p>[9] Cornaros, C., “Weak forms of the Regularity Principle in the presence of IE_1”, <i>Mathematical Logic Quarterly</i>, 59(1-2), pp. 84-100, 2013.</p> <p>[10] Nastou, P.E., Spirakis, P., Stamatiou, Y.C., Tsiakalos, A., “On the derivation of a closed-form expression for the solutions of a subclass of generalized Abel differential equations”, <i>Int. JI of Differential Equations</i>, 2013, 929286, 2013.</p> <p>[11] Markellos, M., Tsichlias, C., “Contact metric structures on S^3”, <i>Kodai Mathematical JI</i>, 36(1), pp. 154-166, 2013.</p> <p>[12] Hatzinikitas, A.N., “Spectral properties of the Dirichlet operator $\sum_{i=1}^d(-\partial_i^2)^s$ on domains in d- dimensional Euclidean space”, <i>JI of Mathematical Physics</i>, 54(10), 103501, 2013.</p> <p>[13] Roger I. Tanner, Shao-Cong Dai, Fuzhong Qi, & Kostas Housiadas, “Viscometric functions of semi-dilute non-colloidal suspensions of spheres in a viscoelastic matrix”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 201, pp. 130-134, 2013.</p> <p>[14] Kostas D. Housiadas, “Compressible Poiseuille flows with exponential type pressure-dependent mass density”, <i>Journal of Non-Newtonian Fluid Mechanics</i>, 201, pp. 94-106, 2013.</p> <p>[15] Kostas D. Housiadas & Antony N. Beris, “On the skin friction coefficient in viscoelastic wall-bounded Flows”, <i>International Journal of Heat and Fluid Flow</i>, 42, pp.49-67, 2013.</p> <p>[16] Kostas D. Housiadas, “Viscoelastic Poiseuille flows with total normal stress dependent, nonlinear Navier slip at the wall”, <i>Physics of Fluids</i>, 25, 043105, (21 pages) 2013.</p> <p>[17] Pandelitsa Panseti, Kostas D. Housiadas, & Georgios C. Georgiou, “Newtonian Poiseuille flows with pressure-dependent wall slip”, <i>Journal of Rheology</i>, 57(1), pp. 215-332, 2013.</p>
2012	<p>[1] Anoussis, M., Katavolos, A., Todorov, I.G., “Operator algebras from the discrete Heisenberg semigroup”, <i>Proceedings of the Edinburgh Mathematical Society</i>, 55, pp. 1-22, 2012.</p> <p>[2] Pandelis, D.G., Kyriakidis, E.G., Dimitrakos, T.D., “Single vehicle routing problems with a predefined customer sequence, compartmentalized load and stochastic demands”, <i>European JI of Operational Research</i>, 217(2), pp. 324-332, 2012.</p> <p>[3] Shen, Y., Kevrekidis, P.G., Whitaker, N., Karachalios, N.I., Frantzeskakis, D.J., “Finite-temperature dynamics of matter-wave dark solitons in linear and periodic potentials: An example of an antidamped Josephson junction”, <i>Physical Review A- Atomic, Molecular, and Optical Physics</i>, 86(3), 033616, 2012.</p> <p>[4] Keremedis, K., “On the relative strength of forms of compactness of metric spaces and their countable productivity in ZF”, <i>Topology and its Applications</i>, 159(16), pp. 3396-3403, 2012.</p>

	<p>[5] Keremedis, K., "Compact and Loeb Hausdorff spaces in ZF and the axiom of choice for families of finite sets", <i>Mathematical Logic Quarterly</i>, 58(3), pp. 130-138, 2012.</p> <p>[6] Lyberopoulos, A.N., "Bound states for a class of quasilinear scalar field equations with potentials vanishing at infinity", <i>Acta Mathematica Scientia</i>, 32(1), pp. 197-208, 2012.</p> <p>[7] Metaftsis, V., Prassidis, S., "On the vanishing of the lower K-theory of the holomorph of a free group on two generators", <i>Forum Mathematicum</i>, 24(4), pp. 861-874, 2012.</p> <p>[8] Metaftsis, V., Raptis, E., Varsos, D., "On the linearity of HNN-extensions with abelian base", <i>Jl of Pure and Applied Algebra</i>, 216(5), pp. 997-1003, 2012.</p> <p>[9] Nastou, P., Stamatiou, Y.C., Tsiakalos, A., "Solving a Class of ODEs arising in the analysis of a computer security process using generalized hyper-Lambert functions", <i>Int. Jl of Applied Mathematics and Computation</i>, 4(3), pp. 67-76, 2012.</p> <p>[10] Nastou, P.E., Stamatiou, Y.C., "Distributed computation of SBoxes with strong security properties", <i>Int. Jl of Security and its Applications</i>, 6(2), pp. 29-46, 2012.</p> <p>[11] Politikos, D.V., Tzanetis, D.E., Nikolopoulos, C.V., Maravelias, C.D., "The application of an age-structured model to the north Aegean anchovy fishery: An evaluation of different management measures", <i>Mathematical Biosciences</i>, 237(1-2), pp. 17-27, 2012.</p> <p>[12] Charitos, C., Papadoperakis, I., Tsapogas, G., "A complex of incompressible surfaces for handlebodies and the mapping class group", <i>Monatshefte fur Mathematik</i>, 167(3-4), pp. 405-415, 2012.</p> <p>[13] Koufogiorgos, T., Markellos, M., Tsihlias, C., "Tangent sphere bundles with constant trace of the Jacobi operator", <i>Beitrage zur Algebra und Geometrie</i>, 53(2), pp. 551-568, 2012.</p> <p>[14] Charalambous, M.G., Krzempek, J., "On inductive dimension modulo a simplicial complex", <i>Topology and its Applications</i>, 159(3), pp. 669-678, 2012.</p> <p>[15] Housiadas, K.D., Tanner, R.I., "Perturbation solution for the viscoelastic flow around a rigid sphere under pure uniaxial elongation", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 167-168, pp. 75-86, 2012.</p> <p>[16] Poyiadji, S. Georgiou, G.C., Kaouri, K., Housiadas, K.D., "Perturbation solutions of weakly compressible Newtonian Poiseuille flows with Navier slip at the wall", <i>Rheologica Acta</i>, 51(6), pp. 497-510, 2012.</p> <p>[17] Housiadas, K.D., Georgiou, G.C., Mamoutos, I.G., "Laminar axisymmetric flow of a weakly compressible viscoelastic fluid", <i>Rheologica Acta</i>, 51(6), pp. 511-526, 2012.</p> <p>[18] Housiadas, K.D., Tanner, R.I., "The drag of a freely sedimentating sphere in a sheared weakly viscoelastic fluid", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 183-184, pp. 52-56, 2012.</p>
2011	<p>[1] Anoussis, M., Katavolos, A., Todorov, I.G., "Angles in C*-algebras", <i>Houston Jl of Mathematics</i>, 37(2), pp. 501-517, 2011.</p> <p>[2] Anoussis, M., Felouzis, V., Todorov, I.G., "S-numbers of elementary operators on C*-algebras", <i>Jl of Operator Theory</i>, 66(2), pp. 235-260, 2011.</p> <p>[3] Achilleos, V., Theocharis, G., Kevrekidis, P.G., Karachalios, N.I., Diakonou, F.K., Frantzeskakis, D.J., "Stationary states of a nonlinear Schrödinger lattice with a harmonic trap", <i>Jl of Mathematics Physics</i>, 52(9), 092701, 2011.</p> <p>[4] Herrlich, H., Keremedis, K., "Extending compact topologies to compact Hausdorff topologies in ZF", <i>Topology and its Applications</i>, 158(17), pp. 2279-2286, 2011.</p> <p>[5] Herrlich, H., Keremedis, K., "AC holds iff every compact completely regular topology can be extended to a compact Tychonoff topology", <i>Commentationes Mathematicae Universitatis Carolinae</i>, 52(1), pp. 139-143, 2011.</p>

	<p>[6] Herrlich, H., Keremedis, K., "Remarks on the space N_1 in ZF", <i>Topology and its Applications</i>, 158(2), pp. 229-237, 2011.</p> <p>[7] Lyberopoulos, A.N., "Quasilinear scalar field equations with competing potentials", <i>Jl of Differential Equations</i>, 251(12), pp. 3625-3657, 2011.</p> <p>[8] Metaftsis, V., Raptis, E., Varsos, D., "On the hopficity of HNN-extensions of polycyclic groups", <i>Communications in Algebra</i>, 39(3), pp. 751-756, 2011.</p> <p>[9] Kofinas, C., Metaftsis, V., Papistas, A.I., "Relatively free nilpotent torsion-free groups and their Lie algebras", <i>Communications in Algebra</i>, 39(3), pp. 843-880, 2011.</p> <p>[10] Kavallaris, N.I, Lacey, A.A., Nikolopoulos, C.V., Tzanetis, D.E., "A hyperbolic non-local problem modelling MEMS technology", <i>Rocky Mountain Jl of Mathematics</i>, 41(2), pp. 505-534, 2011.</p> <p>[11] Kotis, K., Papasalouros, A., Vouros, G., Pappas, N., Zoumpatianos, K., "Enhancing the collective knowledge for the engineering of ontologies in open and socially constructed learning spaces", <i>Jl of Universal Computer Science</i>, 17(12), pp. 1710-1742, 2011.</p> <p>[12] Papasalouros, A., Kotis, K., Kanaris, K., "Automatic generation of tests from domain and multimedia ontologies", <i>Interactive Learning Environments</i>, 19(1), pp. 5-23, 2011.</p> <p>[13] Kotis, K., Papasalouros, A., Maragkoudakis, M., "Mining query logs for learning useful ontologies: an Incentive to SW content creation", <i>Int. Jl for Knowledge Engineering and Data Mining</i>, 1(4), pp. 303-307, 2011.</p> <p>[14] Nestoridis, V., Schmutzhard, S., Stefanopoulos, V., "Universal series induced by approximate identities and some relevant applications", <i>Jl of Approximation Theory</i>, 163(12), pp. 1783-1797, 2011.</p> <p>[15] Charitos, C. Papadoperakis, I., Tsapogas, G., "On the mapping class group of a genus 2 handlebody", <i>Topology and its Applications</i>, 158(8), pp. 978-995, 2011.</p> <p>[16] Housiadas, K.D., Georgiou, G.C., "Perturbation solution of Poiseuille flow of a weakly compressible Oldroyd-B fluid", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 166(1-2), pp. 73-92, 2011.</p> <p>[17] Housiadas, K.D., "A mathematical model to study the effect of the air jet in the film blowing process", <i>Polymer Engineering and Science</i>, 51(7), pp. 1301-1315, 2011.</p> <p>[18] Housiadas, K.D., Tanner, R.I., "Perturbation solution for the viscoelastic 3D flow around a rigid sphere subject to simple shear", <i>Physics of Fluids</i>, 23(8), 083101, 2011.</p>
2010	<p>[1] Cuevas, J., Karachalios, N.I., Palmero, F., "Energy thresholds for the existence of breather solutions and travelling waves on lattices", <i>Applicable Analysis</i>, 89(9), pp. 1351-1385.</p> <p>[2] Keremedis, K., Tachtsis, E., "Products of some special compact spaces and restricted forms of AC", <i>Jl of Symbolic Logic</i>, 75(3), pp. 996-1006, 2010.</p> <p>[3] Herrlich, H., Keremedis, K., Tachtsis, E., "On Russell and anti russell-cardinals", <i>Quaestiones Mathematicae</i>, 33(1), pp. 1-9, 2010.</p> <p>[4] Cornelissen, G., Kontogeorgis, A., van der Zalm, L., "Arithmetic equivalence for function fields, the Goss zeta function and a generalization", <i>Jl of Number Theory</i>, 130(4), pp. 1000-1012, 2010.</p> <p>[5] Konstantinou, E., Kontogeorgis, A., "Ramanujan's class invariants and their use in elliptic curve cryptography", <i>Computers and Mathematics with Applications</i>, 59(8), pp. 2901-2917, 2010.</p> <p>[6] Konstantinou, E., Kontogeorgis, A., Stamatiou, Y.C., Zaroliagis, C., "On the efficient generation of prime-order elliptic curves", <i>Jl of Cryptology</i>, 23(3), pp. 477-503, 2010.</p>

	<p>[7] Cornelissen, G., Kato, F., Kontogeorgis, A., "The relation between rigid-analytic and algebraic deformation parameters for Artin-Schreier-Mumford curves", <i>Israel JI of Mathematics</i>, 180(1), pp. 345-370, 2010.</p> <p>[8] Metaftsis, V., Sykiotis, M., "On the residual finiteness of outer automorphisms of relatively hyperbolic groups", <i>Jl of Pure and Applied Algebra</i>, 214(8), pp. 1301-1305, 2010.</p> <p>[9] Nikolopoulos, C.V., "A mushy region in concrete corrosion", <i>Applied Mathematical Modelling</i>, 34(12), pp. 4012-4030, 2010.</p> <p>[10] Nikolopoulos, C.V., Yannacopoulos, A.N., "A model for optimal stopping in advertisement", <i>Nonlinear Analysis: Real World Applications</i>, 11(3), pp. 1229-1242, 2010.</p> <p>[11] Vouros, G., Papasalouros, A., Tzonas, K., Valarakos, A., Kotis, K., Quiane-Ruiz, J.-A., Lamarre, P., Valduries, P., "A semantic information system for services and traded resources in Grid e-markets", <i>Future Generation Computer Systems</i>, 26(7), pp. 916-933, 2010.</p> <p>[12] Koumandos, S., Nestoridis, V., Smyrlis, Y.-S., Stefanopoulos, V., "Universal series in $\cap_{p>1} \mathbb{F}^p$", <i>Bulletin of the London Mathematical Society</i>, 42(1), pp. 119-129, 2010.</p> <p>[13] Charalambous, M.G., Krzempek, J., "On dimensionsgrad, resolutions, and chainable continua", <i>Fundamenta Mathematicae</i>, 209(3), pp. 243-265, 2010.</p> <p>[14] Charalambous, M.G., Krzempek, J., "Rigid continua and transfinite inductive dimension", <i>Topology and its Applications</i>, 157(9), pp. 1690-1702, 2010.</p> <p>[15] Hatzinikitas, A.N., "The weakly coupled fractional one-dimensional Schrödinger operator with index $1 < \alpha \leq 2$", <i>Jl of Mathematical Physics</i>, 51(12), 123523, 2010.</p> <p>[16] Tanner, R.I., Qi, F., Housiadas, K.D., "A differential model for the rheological properties of concentrated suspensions with weakly viscoelastic matrices", <i>Rheologica Acta</i>, 49(2), pp. 169-176, 2010.</p> <p>[17] Housiadas, K.D., Wang, L., Beris, A.N., "A new method preserving the positive definiteness of a second order tensor variable in flow simulations with application to viscoelastic turbulence", <i>Computer and Fluids</i>, 39(2), pp. 225-241, 2010.</p> <p>[18] Samanta, G., Housiadas, K.D., Beris, A.N., Handler, R., "Data reduction in viscoelastic turbulent channel flows based on extended Karhunen-Loeve analysis", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 165 (19-20), pp. 1386-1399, 2010.</p> <p>[19] Tanner, R.I., Qi, F., Housiadas, K.D., "A differential approach to suspensions with power-law matrices", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 165 (23-24), pp. 1677-1681, 2010.</p>
2009	<p>[1] Cuevas, J., Karachalios, N.I., Palmero, F., "Lower and upper estimates on the excitation threshold for breathers in discrete nonlinear Schrödinger lattices", <i>Jl of Mathematical Physics</i>, 50(11), 112705, 2009.</p> <p>[2] Karachalios, N.I., "A remark on the dimension of the attractor for the Dirichlet problem of the complex Ginzburg-Landau equation", <i>Jl of Mathematical Physics</i>, 50(8), 082701, 2009.</p> <p>[3] Karachalios, N.I., Zographopoulos, N.B., "The semiflow of a reaction diffusion equation with a singular potential", <i>Manuscripta Mathematica</i>, 130(1), pp. 63-91, 2009.</p> <p>[4] Herrlich, H., Keremedis, K., "Topological sums and products in ZF-set theory", <i>Topology and its Applications</i>, 156(12), pp. 1994-1999, 2009.</p> <p>[5] Keremedis K., Tachtsis, E., "Different versions of a first countable space without choice", <i>Topology and its Applications</i>, 156(2), pp. 2000-2004, 2009.</p> <p>[6] Kontogeorgis, A., "Field of moduli versus field of definition for cyclic covers of the projective line", <i>Journal de Theorie des Nombres de Bordeaux</i>, 21(3), pp. 679-693, 2009.</p>

	<p>[7] Konstantinou, E., Kontogeorgis, A., "Computing polynomial of the Ramanujan t_n class invariants", <i>Canadian Mathematical Bulletin</i>, 52(4), pp. 583-597, 2009.</p> <p>[8] Woods, A.R., Cornaros, Ch., "On bounded arithmetic augmented by the ability to count certain sets of primes", <i>Jl of Symbolic Logic</i>, 74(2), pp. 455-473, 2009.</p> <p>[9] Lyberopoulos, A.N., "Existence and Liouville-type theorems for some indefinite quasilinear elliptic problems with potentials vanishing at infinity", <i>Jl of Functional Analysis</i>, 257(11), pp. 3593-3616, 2009.</p> <p>[10] Nikolopoulos, C.V., "Numerical solution of a nonlocal problem modelling ohmic heating of foods", <i>Computational Methods, in Applied Mathematics</i>, 9(4), pp. 391-411, 2009.</p> <p>[11] Papasalouros, A., Kotis, K., Nikitakos, N., "Decision making support for maritime environmental protection via an intelligent tutoring system approach", <i>Jl of Environmental Engineering and Management</i>, 9(2), pp. 197-204, 2009.</p> <p>[12] Dafnis, N., Giannopoulos, A., Tsolomitis, A., "Asymptotic shape of a random polytope in a convex body", <i>Jl of Functional Analysis</i>, 257(9), pp. 2820-2839, 2009.</p> <p>[13] Hatzinikitas, A., "The fractional Schrödinger operator and Toeplitz matrices", <i>Jl of Mathematical Physics</i>, 50(10), 103524, 2009.</p> <p>[14] Samanta, G., Housiadas, K.D., Handler, R.A., Beris, A.N., "Effects of viscoelasticity on the probability density functions in turbulent channel flow", <i>Physics of Fluids</i>, 21(11), pp. 1-23, 010911PHF, 2009.</p> <p>[15] Chatzimina, M., Georgiou, G.C., Housiadas, K., Hatzikiriakos, S.G, "Stability of the annular Poiseuille flow of a Newtonian liquid with slip along the walls", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 159(1-3), pp. 1-9, 2009.</p> <p>[16] Samanta, G., Beris, A.N., Handler, R.A., Housiadas, K.D., "Velocity and conformation statistics based on reduced Karhunen-Loeve", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 160(1), pp. 55-63, 2009.</p> <p>[17] Housiadas, K.D., Tanner, R.I., "On the rheology of a dilute suspensions of rigid spheres in a weakly viscoelastic matrix fluid", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 162(1-3), pp. 88-92, 2009.</p>
2008	<p>[1] Anoussis, M., Gatzouras, D., "On mixing and ergodicity in locally compact motion groups", <i>Jl fur die Reine und Angewandte Mathematik</i>, 625, pp. 1-28, 2008.</p> <p>[2] Anoussis, M., Felouzis, V., Todorov, I.G., "Contractive perturbations in C^*-algebras", <i>Jl of Operator Theory</i>, 59(1), pp. 53-68, 2008.</p> <p>[3] Ioannidis, S., Kouikoglou, V.S., Phillis, Y.A., "Analysis of admission and inventory control policies for production networks", <i>IEEE Transactions on Automation Science and Engineering</i>, 5(2), pp. 275-288, 2008.</p> <p>[4] Ioannidis, S., Kouikoglou, V.S., "Revenue management in single-stage CONWIP production systems", <i>Int. Jl of Production Research</i>, 46(22), pp. 6513-6532, 2008.</p> <p>[5] Karachalios, N.I., Zographopoulos, N.B., "A sharp estimate and change on the dimension of the attractor for singular semilinear parabolic equations", <i>Archiv der Mathematik</i>, 91(6), pp. 564-576, 2008.</p> <p>[6] Karachalios, N.I., "The number of bound states for a discrete Schrödinger operator on Z^2, $N \geq 1$, lattices", <i>Jl of Physics A: Mathematical and Theoretical</i>, 41(45), 455201, 2008.</p> <p>[7] Karachalios, N.I., "Weyl's type estimates on the eigenvalues of critical Schrödinger operators", <i>Letters in Mathematical Physics</i>, 83(2), pp. 189-199, 2008.</p>

	<p>[8] Cuevas, J., Eilbeck, J.C., Karachalios, N.I., “Thresholds for breather solutions of the discrete Schrödinger equation with saturable and power nonlinearity”, <i>Discrete and Continuous Dynamical Systems</i>, 21(2), pp. 445-475, 2008.</p> <p>[9] Cuevas, J., Eilbeck, J., Karachalios, N., “A lower bound for the power of periodic solutions of the defocusing discrete nonlinear Schrodinger equation”, <i>Dynamics of Partial Differential Equations</i>, 5(1), pp. 69-85, 2008.</p> <p>[10] De La Cruz, O., Hall, E.J., Howard, P., Keremedis, K., Rubin, J.E., “Unions and the axiom of choice”, <i>Mathematical Logic Quarterly</i>, 54(6), pp. 652-665, 2008.</p> <p>[11] Kontogeorgis, A., Rotger, V., “On abelian automorphism groups of Mumford curves”, <i>Bulletin of the London Mathematical Society</i>, 40(3), pp. 363-374, 2008.</p> <p>[12] Kontogeorgis, A., Rotger, V., “On the non-existence of exceptional automorphisms on Shimura curves”, <i>Bulleting of the London Mathematical Society</i>, 40(3), pp. 363-374, 2008.</p> <p>[13] Kontogergis, A., “Actions of Galois groups on invariants of number fields”, <i>Jl of Number Theory</i>, 128(6), pp. 1587-1601, 2008.</p> <p>[14] Kontogeorgis, A., “The ramification sequence for a fixed point of an automorphism of a curve and the Weierstrass gap sequence”, <i>Mathematische Zeitschrift</i>, 259(3), pp. 471-479, 2008.</p> <p>[15] Cornaros, Ch., Dimitrakopoulos, C., “On two problems concerning end extensions”, <i>Archive for Mathematical Logic</i>, 47(1), pp. 1-14, 2008.</p> <p>[16] Lopez-Abad J., Manoussakis, A., “A classification of tsirelson type spaces”, <i>Canadian JI of Mathematics</i>, 60(5), pp. 1108-1148, 2008.</p> <p>[17] Kutzarova, D., Leung, D.H., Manoussakis, A., Tang W.-K., “Minimality properties of Tsirelson type spaces”, <i>Studia Mathematica</i>, 187(3), pp. 233-263, 2008.</p> <p>[18] Vouros, G.A., Papasalouros, A., Kotis, K., Valarakos, A., Tzonas, K., Vilajosana, X., Krishnaswamy, R., Amara-Hachmi, N., “The Grid4All ontology for the retrieval of traded resources in a market-grid”, <i>Int. JI of Web and Grid Services</i>, 4(4), pp. 418-439, 2008.</p> <p>[19] Charitos, C., Papadoperakis, I., Tsapogas, G., “Incompressible, surfaces in handlebodies and isotopies”, <i>Topology and its Applications</i>, 155(7), pp. 696-724, 2008.</p> <p>[20] Charalambous, M.G., “The gap between the dimensions of countably paracompact spaces”, <i>Topology and its Applications</i>, 155(17-18), pp. 2216-2220, 2008.</p> <p>[21] Hatzinikitas, A., “One-dimensional stable probability density functions for rational index $0 < \alpha \leq 2$», <i>Annals of Physics</i>, 323(12), pp. 3000-3019, 2008.</p> <p>[22] Samanta, G., Oxberry, G.M. Beris, A.N., Handler, R.A., Housiadas, K.D., “Time-evolution K-L analysis of coherent structures based on DNS of turbulent Newtonian and viscoelastic flows”, <i>Jl of Turbulence</i>, 9, pp. 1-25, 2008.</p>
2007	<p>[1] Tsourveloudis, N., Doitsidis, L., Ioannidis, S., “Work-in-process scheduling by evolutionary tuned fuzzu controllers”, <i>Int. JI of Advanced Manufacturing Technology</i>, 34(7-8), pp. 748-761, 2007.</p> <p>[2] Karachalios, N.I., Nistazakis, H.E., Yannacopoulos, A.N., “Aymptotic behavior of solutions of complex discrete evolution equations: The discrete Ginzburg-Landau equation”, <i>Discrete and Continuous Dynamical Systems</i>, 19(4), pp. 711-736, 2007.</p> <p>[3] Karachalios, N.I., Lyberopoulos, A.N., “On the dynamics of a degenerate damped semilinear wave equation in \mathbb{R}^N: The non-compact case”, <i>Discrete and Continuous Dynamical Systems – Series A</i>, (SUPPL), pp. 531-540, 2007.</p>

	<p>[4] Karachalios, N.I., Yannacopoulos, A.N., "The existence of a global attractor for the discrete nonlinear Schrodinger equation. II. Compactness without tail estimates in $\mathbb{Z}^{\mathbb{N}_{\geq 1}}$ lattices", <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i>, 137(1), pp. 63-76, 2007.</p> <p>[5] Keremedis, K., Tachtsis, E., "Countable compact hausdorff spaces need not be metrizable in ZF", <i>Proceedings of the American Mathematical Society</i>, 135(4), pp. 1205-1211, 2007.</p> <p>[6] Kontogeorgis, A., "Polydifferential and the deformation function of curves with automorphisms", <i>Jl of Pure and Applied Algebra</i>, 210(2), pp. 551-558, 2007.</p> <p>[7] Kontogeorgis, A., "On the tangent space of the deformation functor of curves with automorphisms" <i>Algebra and Number Theory</i>, 1(2), pp. 119-161.</p> <p>[8] Deliyanni, I., Manoussakis, A., "Asymptotic ℓ_p hereditarily indecomposable Banach spaces" <i>Illinois Jl of Mathematics</i>, 51(3), pp. 767-803, 2007.</p> <p>[9] Metaftsis, V., Raptis, E., "Residual finiteness of infinite amalgamated products of cyclic groups", <i>Jl of Pure and Applied Algebra</i>, 208(3), pp. 1091-1097, 2007.</p> <p>[10] Kavallaris, N.I., Lacey, A.A., Nikolopoulos, C.V., Voong, C., "Behaviour of a non-local equation modelling linear friction welding", <i>IMA Jl of Applied Mathematics (Institute of Mathematics and Its Applications)</i>, 72(5), pp. 597-616, 2007.</p> <p>[11] Kavallaris, N.I., Lacey, A.A., Nikolopoulos, C.V., Tzanetis, D.E., "Asymptotic analysis and estimates of blow-up time for the radial symmetric semilinear heat equation in the open-spectrum case", <i>Mathematical Methods in the Applied Sciences</i>, 30(13), pp. 1507-1526, 2007.</p> <p>[12] Nikolopoulos, C.V., Zouraris, G.E., "Numerical solution of a non-local elliptic problem modeling a thermistor with a finite element and a finite volume method", <i>Discrete and Continuous Dymanical Systems- Series A, (SUPPL)</i>, pp. 768-778, 2007.</p> <p>[13] Papalexiou, N., "On the prime spectrum of the enveloping algebra and characteristic varieties", <i>J. of Applied Algebra</i>, 6(3), pp. 369-383, 2007.</p> <p>[14] Papalexiou, N., "Formal extension and quotients of the invariant holonomic system", <i>Jl of Pure and Applied Algebra</i>, 210(3), pp. 685-694, 2007.</p> <p>[15] Housiadas, K.D., Klidis, G., Tsamopoulos, J., "Two- and three- dimensional instabilities in the film blowing process", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 141(2-3), pp. 193-220, 2007.</p>
2006	<p>[1] Karachalios, N.I., "Global existence in infinite lattices of nonlinear oscillators: The discrete Klein-Gordon equation", <i>Glasgow Mathematical Jl</i>, 48(3), pp. 463-482, 2006.</p> <p>[2] Antoniadis, J.A., Kontogeorgis, A., "On cyclic covers of the projective line", <i>Manuscripta Mathematica</i>, 121(1), pp. 105-130, 2006.</p> <p>[3] Kandilakis, D.A., Lyberopoulos, A.N., "Indefinite quasilinear elliptic problems with subcritical and supercritical nonlinearities on unbounded domains", <i>Jl of Differential Equations</i>, 230(1), pp. 337-361, 2006.</p> <p>[4] Metaftsis, V., Sykiotis, M., "On the residual finiteness of outer automorphisms of hyperbolic groups", <i>Geometriae Dedicata</i>, 117(1), pp. 125-131, 2006.</p> <p>[5] Lacey, A.A., Nikolopoulos, C.V., "A 1-dimensional mathematical model for polymer melting during modulated temperature differential scanning calorimetry", <i>IMA Jl of Applied Mathematics</i>, 71(2), pp. 186-209, 2006.</p> <p>[6] Nikolopoulos, C.V., Tzanetis, D.E., "Estimates of blow-up time for a non-local reactive-convective problem modelling ohmic heating of foods", <i>Proceedings of the Edinburgh Mathematical Society</i>, 49(1), pp. 215-239, 2006.</p>

	<p>[7] Papalexiou, N., "Order relations on induced and prime ideals in the enveloping algebra of a semisimple Lie algebra", <i>Jl of Algebra</i>, 302(1), pp. 1-15, 2006.</p> <p>[8] Charalambous, M.G., "Resolving a question of Arkhangels'kii's" <i>Fundamenta Mathematicae</i>, 192(1), pp. 67-76, 2006.</p> <p>[9] Charalambous, M.G., "A note on the Brouwer dimension of chainable spaces", <i>Topology and its Applications</i>, 153(8), pp. 1271-1278, 2006.</p> <p>[10] Housiadas, K.D., Beris, A.N., "Extensional behavior influence on viscoelastic turbulent channel flow", <i>Jl of Non-Newtonian Fluid Mechanics</i>, 140(1-3), pp. 41-56, 2006.</p> <p>[11] Handler, R.A., Housiadas, K.D., Beris, A.N., "Karhunen-Loeve representations of turbulent channel flows using the method of snapshots", <i>Int. Jl for Numerical Methods in Fluids</i>, 52(12), pp. 1339-1360, 2006.</p>
2005	<p>[1] Anoussis, M., Gatzouras, D., "On summing sequences in R^d", <i>Illinois Jl of Mathematics</i>, 49(3), pp. 905-910, 2005.</p> <p>[2] Anoussis, M., Todorov, I.G., "Compact operators on Hilbert modules", <i>Proceedings of the American Mathematical Society</i>, 133(1), pp. 257-261, 2005.</p> <p>[3] Karachalios, N.I., Yannacopoulos, A.N., "Global existence and compact attractors for the discrete nonlinear Schrödinger equation", <i>Jl of Differential Equations</i>, 217(1), pp. 88-123, 2005.</p> <p>[4] Karachalios, N.I., Stavrakakis, N.M., Xanthopoulos, P., "Parametric exponential energy decay for dissipative electron-ion plasma waves", <i>Zeitschrift fur Angewandte Mathematik und Physik</i>, 26(2), pp. 218-238, 2005.</p> <p>[5] Karachalios, N.I., Zographopoulos, N.B., "Convergence towards attractors for a degenerate Ginzburg-Landau equation", <i>Zeitschrift fur Angewandte Mathematik und Physik</i>, 56(1), pp. 11-30, 2005.</p> <p>[6] Keremedis, K., Tachtsis, E., "Weak axioms of choice for metric spaces", <i>Proceedings of the American Mathematical Society</i>, 133(12), pp. 3691-3701, 2005.</p> <p>[7] De La Cruz, O., Fall, E., Howard, P., Keremedis, K., Tachtsis, E., "Properties of the real line and weak forms of the Axiom of Choice" <i>Mathematical Logic Quarterly</i>, 51(6), pp. 598-609, 2005.</p> <p>[8] Keremedis, K., Tachtsis, E., "Countable sums and products of metrizable spaces in ZF", <i>Mathematical Logic Quartely</i>, 51(1), pp. 95-103, 2005.</p> <p>[9] Herrlich, H., Keremedis, K., Tachtsis, E., "Countable sums and products of Loeb and selective metric spaces", <i>Commentationes Mathematicae Universitatis Carolinae</i>, 46(2), pp. 373-384, 2005.</p> <p>[10] Argyros, S.A., Manoussakis, A., "A sequentially unconditional Banach space with few operators", <i>Proceedings of the London Mathematical Society</i>, 91(3), pp. 789-818, 2005.</p> <p>[11] Metaftsis, V., Raptis, E., "Subgroup separability and linearity of certain graphs of groups", <i>Communications in Algebra</i>, 33(1), pp. 3879-3886, 2005.</p> <p>[12] Retalis, S., Papasalouros, A., "Designing and generating educational adaptive hypermedia applications", <i>Educational Technology and Society</i>, 8(3), pp. 26-35, 2005.</p> <p>[13] Giannopoulos, A., Milman, V.D., Tsolomitis, A., "Asymptotic formulas for the diameter of sections of symmetric convex bodies", <i>Jl of Functional Analysis</i>, 223(1), pp. 86-108, 2005.</p> <p>[14] Giannopoulos, A., Hartzoulaki, M., Tsolomitis, A., "Random points in isotropic unconditional convex bodies", <i>Jl of London Mathematical Society</i>, 72(3), pp. 779-798, 2005.</p>

[15] Charalambous, M.G. Chatyrko, V.A., "Some estimates of the inductive dimensions of the union of two sets", <i>Topology and its Applications</i> , 146-147 , pp. 227-238, 2005.
--

Publications in peer-reviewed conference proceedings

2023	[1] Liagkou, V., Nastou, P.E. , Spirakis, P., Stamatiou, Y.C., "On the existence of highly organized communities in networks of locally interacting agents", 7 th Int. Symposium on Cyber Security, Cryptology, and Machine Learning CSCML 2023, vol. 13914 LNCS, pp. 501-510, 2023.
2022	[1] Liagkou, V., Nastou, P.E. , Spirakis, P., Stamatiou, Y.C., "On the undecidability of the panopticon detection problem", 6 th Int. Symposium on Cyber Security, Cryptology, and Machine Learning CSML 2022, vol. 13301 LNCS, pp. 78-87, 2022.
2021	[1] Liagkou, V., Nastou, P.E. , Spirakis, P., Stamatiou, Y.C., "Effective enumeration of infinitely many programs that evade formal malware analysis", 5 th Int. Symposium on Cyber Security Cryptography and Machine Learning, CSCML 2021, vol. 12716 LNCS, pp. 230-243, 2021.
2020	[1] Papasalouros, A. , Chatzimichalis, G., "A platform for CSCL script definition", in Proceedings of the 22 nd International Conference on Human-Computer Interaction (HCI International 2020), 12206 LNCS, Springer, pp. 625-640, 2020. [2] Papasalouros, A. , Chatzimichalis, G., "Towards CSCL scripting by example", in Proceedings of the 16 th International Conference on Intelligent Tutoring Systems (ITS2020), 12149 LNCS, Springer, pp. 306-315, 2020.
2019	[1] Cornaros, Ch. , "About the existence of primes in IDelta_0", Πανελλήνιο Συμπόσιο Λογικής, Ανώγεια, 26-30 Ιουνίου, 2019. [2] Hatzinikitas, A. , Lymouris, N., "The short-time limit of the Dirichlet partition function and the image method", JI of Physics: Conference Series, 32 nd International Colloquium on Group Theoretical Methods in Physics, ICGTMP 2018, 1194 (1), 012042, 2019.
2018	[1] Kyriakidis, E.G., Karamatsoukis, C.C., Dimitrakos, T.D. , "Optimal collection of two similar products from N Ordered customers", Proceedings of the Int. Conf. of Industrial Engineering and Operations Management, 2018 (JUL), pp. 3055-3056, 2018. [2] Cornaros, Ch. , "Products of primes in weak systems of arithmetic", JAF31, Florence, Italy, May 28-30, 2018. [3] Lyberopoulos, A.N. , "Quasilinear elliptic equations with lack of compactness – Survey of some results and discussion of open problems", Proceedings of the 16 th Panhellenic Conference on Mathematical Analysis, pp. 61-85, 2018. [4] Papasalouros, A. , "Formalizing CSCL scripts with logic and constraints", in Proceedings of the 13 th European Conference on Technology Enhanced Learning (EC-TEL 2018), 11082 LNCS, Springer, pp. 660-663, 2018. [5] Papasalouros, A. , Chatzigiannakou, M., "Semantic web and question generation: An overview of the state of the art", MCCSIS 2018 – Multi Conference on Computer Science and Information Systems; Proceedings of the International Conferences on e-Learning 2018, 2018-July, pp. 189-192, 2018.
2017	-
2016	[1] Anoussis, M. , "Topological radicals in nest algebras", Πρακτικά 15 ^{ου} Πανελληνίου Συνεδρίου Ανάλυσης, Ηράκλειο 2016, 35-48. [2] Avgerou, A.D., Nastou, P.E. , Stamatiou, Y.C. "Innovative applications and services based on privacy enhanced distributed computations on IoT devices" Proceedings - CBI 2016: 18th IEEE Conference on Business Informatics, 2, pp. 20–25, 7781491, 2016. [3] Avgerou, A., Nastou, P.E. , Nastouli, D., Pardalos, P.M., Stamatiou, Y.C, "Adopting and ABCs authentication framework for collective intelligent eBusiness models in smart cities"

	Proceedings – 8 th International Conference on Security Technology, SecTech 2015, pp. 31-34, 2016.
2015	[1] Anoussis, M. , “Shift operators”, <i>Serdica Math. J.</i> 41 , pp. 35-48, 2015. [2] Papasalouros, A., Tsolomitis, A. , “A direct TeX-to-braille transcribing method”, <i>ASSETS 2015, Proceedings of the 17th International ACM SIGACCESS Conference on Computers and Accessibility</i> , pp. 373-374, 2015.
2014	[1] Bordiés, O., Papasalouros, A. , Dimitriadis, Y., “Estimating the gap between informal descriptions and formal models of artifact flows in CSCL”, in <i>Proceedings of the 9th European Conference of Technology Enhanced Learning, EC-TEL 2014</i> , 8719 LNCS, Springer, pp. 554-555, 2014.
2013	[1] Nastou, P.E. , Spirakis, P., Stamatiou, Y., Vichou, C., “Agent agreement protocols based on golay error-correcting code”, <i>IISA 2013 – 4th Int. Conference on Information, Intelligence, Systems and Applications</i> , pp. 64-69, 2013. [2] Papasalouros, A. , “Automatic exercise generation in Euclidean geometry”, in <i>Proceedings of the 9th IFIP WG 12.5 International Conference, AIAI 2013</i> , Paphos, Cyprus, September 30 – October 2, 2013, 12149 LNCS, Springer, pp. 141-150, 2013.
2012	-
2011	[1] Keremedis, K. , Tachtsis, E., “Extensions of compactness of tychonoff powers of 2 in ZF”, <i>Topology Proceedings</i> , 37 , pp. 15-31, 2011. [1] Nastou, P.E. , Stamatiou, Y.C., Tsiakalos, A., “The solution of differential equation describing the evolution of key agreement protocol”, <i>EUROSIAM 2011, Applied Mathematics and Informatics (AMI)</i> , 29-30 of December 2011. [3] Nastou, P.E. , Stamatiou, Y.C., “A distributed parametric platform for constructing secure SBoxes in block cipher designs”, <i>Communications in Computer and Information Science</i> , 259 CCIS , pp. 155-166, 2011. [4] Zoumpatianos, K., Papasalouros, A. , Kotis, K., “Automated transformation of SWRL rules into multiple-choice questions”, <i>Proceedings of the 24th Int. Florida Artificial Intelligence Research Society Conference, FLAIRS-24</i> , pp. 570-575, 2011. [5] Beris, A.N., Housiadas, K.D. , “On the skin friction coefficient in viscoelastic turbulent wall bounded flows”, <i>Engineering Sciences and Fundamental – Core Programming Topic at the 2011 AIChE Annual Meeting</i> , 1 , pp. 120, 2011.
2010	[1] Kotis, K., Alexopoulos, P., Papasalouros, A. , “Towards a framework for trusting the automated learning of social ontologies”, <i>Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)</i> , 6291 LNAI, pp. 388-399, 2010. [2] Vouros, G.A., Papasalouros, A. , Tzonas, K., Valarakos, A., Kotis, K., Quiane-Ruiz J.-A., Lamarre, P., Valduriez, P., “A semantic information system for services and traded resources in Grid e-markets” <i>Future Generation Computer Systems</i> , 26(7) , pp. 916-933, 2010. [3] Kotis, K., Papasalouros, A. , “Learning useful kick-off ontologies from query logs: HCOME revised”, <i>CISIS 2010, The 4th Int. Conference on Complex, Intelligent and Software Intensive Systems</i> , 5447442, pp. 345-351, 2010. [4] Papasalouros, A. , Kotis, K., Nikitakos, N., “Towards an intelligent tutoring system for environmental decision makers”, <i>Environmental Engineering and Management Journal</i> , 9(2) , pp. 197-204, 2010.
2009	[1] Papaioannou, P. Nastou, P. , Stamatiou, Y., Zaroliagis, C., “Secure elliptic curve generation and key establishment on a 802.11 WLAN embedded device”, <i>Proceedings –</i>

	<p>2009 Int. Symposium on Autonomous Decentralized Systems, ISADS 2009, pp. 41-48, 5207355, 2009.</p> <p>[2] Kotis, K., Papasalouros, A., Nikitakos, N., "Supporting decision making in maritime environmental protection with a knowledge-based education and awareness approach", CEUR Workshop Proceedings, 5th IFIP Conference on Artificial Intelligence Applications and Innovations, AIAI 2009, 475, pp. 280-290, 2009.</p> <p>[3] Papasalouros, A., Gitsis, C., "High-level authoring of simple sequencing descriptions", in Proceedings of the 2009 9th IEEE Int. Conference on Advanced Learning Technologies, ICALT 2009, 5194246, pp. 347-351, 2009.</p> <p>[4] Kotis, K., Papasalouros, A., Maragkoudakis, M., "Mining web queries to boost semantic content creation", Proceedings of the IADIS Int. Conference WWW/Internet 2009, ICWI 2009, 2, pp. 158-162, 2009.</p> <p>[5] Kotis, K., Papasalouros, A., Vouros, G., et al, "e-class in ontology engineering: integrating ontologies to argumentation and semantic wiki technology", Workshop on Intelligent and Innovative Support for Collaborative Learning Activities (WIISCOLA, 8th Int. Conference on Computer Supported Collaborative Learning, pp. 9-18, 2009.</p>
2008	<p>[1] Cornaros, C., "Pell equations and weak regularity principles", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics", 5028 LNCS, pp. 129-138, 2008.</p> <p>[2] Papasalouros, A., Kanaris, K., Kotis, K., "Automatic generation of multiple choice questions from domain ontologies" MCCSIS'08 – IADIS Multi Conference on Computer Science and Information Systems; Proceedings of e-Learning 2008, 1, pp. 427-434, 2008.</p> <p>[3] Kotis, K., Vouros, G.A., Valarakos, A., Papasalouros, A., Vilajosana, X., Krishnaswamy, R., Amara-Hachmi, N., "The Grid4All ontology for the retrieval of traded resources in a market-oriented grid", Proceedings – CISIS 2008: 2nd Int Conference on Complex, Intelligent and Software Intensive Systems, 4606790, p. 933-939, 2008.</p> <p>[4] Papasalouros, A., Kotis, K., Kanaris, K., "Automatic generation of multiple-choice questions from domain ontologies", IADIS e-Learning 2008, pp. 427-434, 2008.</p> <p>[5] Samanta, G., Beris, A.N., Handler, R.A., Housiadas, K.D., "Dynamic K-L analysis of the coherent structures in turbulent viscoelastic channel flows", AIP Conference Proceedings, 1027, pp. 213-215, 2008.</p> <p>[6] Chatzimima, M., Georgiou, G., Housiadas, K., Hatzikiriakos, S.G., "Stability of the annular Poiseuille flow of a Newtonian liquid with slip along the walls", AIP Conference Proceedings, 1027, pp. 123-125, 2008.</p> <p>[7] Housiadas, K., Tsamopoulos, J., "On the interaction of an air jet with a viscoelastic tubular film produced during the film blowing process", AIP Conference Proceedings, 1027, pp. 6-8, 2008.</p> <p>[8] Beris, A.N., Samanta, G., Housiadas, K.D., "Polymer-induced drag reduction of turbulent flows: What have we learnt from direct numerical simulations?", AIChE Annual Meeting, Conference Proceedings, 2008.</p> <p>[9] Samanta, G., Beris, A.N., Handler, R.A., Housiadas, K.D., "Systematic velocity data reduction and its effect on polymer conformation statistics in viscoelastic turbulent channel flows", AIChE Annual Meeting, Conference Proceedings, 2008.</p>
2007	<p>[1] Karachalios, N.I., Lyberopoulos, A.N., "On the dynamics of a degenerate damped semilinear wave equation in \mathbb{R}^N: The non-compact case", Discrete and Continuous Dynamical Systems – Series A, (SUPPL.), pp. 531-540, 2007.</p> <p>[2] Samanta, G., Beris, A.N., Handler, R., Housiadas, K., "Dynamic K-L analysis of turbulent channel flows", AIChE Annual Meeting, Conference Proceedings, 2007.</p>

	<p>[3] Housiadas, K., Beris, A.N., "A generalized constitutive model for dilute and semi-dilute flexible polymer", AIChE Annual Meeting, Conference Proceedings, 2007.</p>
2006	<p>[1] Tsourveloudis, N.C., Doitsidis, L., Ioannidis, S., "Work-in-process scheduling by evolutionary tuned distributed fuzzy controllers" Proceedings – IEEE Int. Conf. on Robotics and Automation, 2006, pp. 1420-1425, 2006.</p> <p>[2] Kahrmanis, G., Papasalouros, A., Avouris, N., Retalis, S., "A model for interoperability in computer supported collaborative learning", Proceedings-Sixth Int. Conference on Advanced Learning Technologies, ICALT 2006, 1652363, pp. 51-55, 2006.</p> <p>[3] Verykios, K, Papasalouros, A., Skordalakis, E., "On-site maintenance data gathering from Base Transceiver Station sites", in Proceedings of the 12th European Wireless Conference 2006 – Enabling Technologies for Wireless Multimedia Communications, European Wireless 2006, 5758231, 2006.</p> <p>[4] Retalis, S., Papasalouros, A., Psaromiligkos, Y., Siscos, S., Kargidis, T., "Towards Networked Learning Analytics – A concept and a tool. Proceedings of the Fifth Int. Conference on Networked Learning, 2006.</p>
2005	<p>[1] Karachalios, N.I., Zographopoulos, N.B., "Global attractors and convergence to equilibrium for degenerate Ginzburg-Landau and parabolic equations", Nonlinear Analysis, Theory, Methods and Applications, 63(5-7), 2005.</p> <p>[2] Konstantinou, E., Kontogeorgis, A., Stamatiou, Y.C., Zaroliagis, C., "Generating prime order elliptic curves: Difficulties and efficiency considerations", Lecture Notes in Computer Science, 7th Int. Conference on Information Security and Cryptology – ICISC 2004, 3506, pp. 261-278, 2005.</p> <p>[3] Papasalouros, A., Retalis, S., "Defining a UML profile for web-based educational applications", in Daniel Schwabe, Gustavo Rossi, Luis Olsina, Vicente Pelechano (eds): International Workshop on Web Oriented Software Technologies, Proceedings of the CAiSE2005 Workshop on Web Oriented Software Technologies, Porto, Portugal, June 13, 2005. CEUR Workshop Proceedings, ISSN 1613-0073, online http://CEUR-WS.org/Vol-153.</p>