

2014-16

S. Abdulali, Hodge structures associated to $SU(p,1)$. *Communications in Algebra*, 43:10 (2015), 4209-4220.

S. Abdulali, (chapter) Tate twists of Hodge structures arising from abelian varieties. In Matt Kerr; Gregory Pearlstein (Ed.) *Recent Advances in Hodge Theory: Period Domains, Algebraic Cycles and Arithmetic*, Cambridge University Press [A] (2016), 292-307.

A. Al-Sharadqah, Further Statistical Analysis of Circle Fitting, *Electronic Journal of Statistics*, 28:2(2014), 2741-2778.

A. Al-Sharadqah & D. K.C. Ho, Solutions and evaluations for fitting of concentric circles, *Signal Processing*, 120(2016), 468-479.

A. Al-Sharadqah, K. Kanatani, N. Chernov, & Y. Sugaya, Hyper- renormalization: Non-minimization Approach for Geometric Estimation, *IPSJ Transactions on Computer Vision and Applications*, 6(2014), 143-159.

F. Benson & G. Ratcliff, Spaces of bounded spherical functions on Heisenberg groups: Part I, *Annali di Matematica Pura ed Applicata*, 194(2015), 321-342.

F. Benson & G. Ratcliff, Spaces of bounded spherical functions on Heisenberg groups: Part II, *Annali di Matematica Pura ed Applicata*, 194(2015), 533-561.

F. Brown, D.W. Pravica & M. Bier, Self-similarity and non-Markovian behavior in traded stock volumes, *European Physical Journal B*, 88:11(2015), 1-9.

A. Burger, J. Hattingh, & J. van Vuuren, The mixed irredundant Ramsey numbers $t(3,7)=18$ and $t(3,8)=22$, *Quaestiones Mathematica*, 37(2014), 571-589.

W. Calvert, V. Harizanov, & A. Shlapentokh, Turing Degrees of Isomorphism Types of Geometric Objects, *Computability*, 3:2(2014), 105-134.

M.J. Dorfling, J.H. Hattingh, & E. Jonck, Total domination in maximal outerplanar graphs II, *Discrete Mathematics*, 339(2016) 1180-1188.

G. Fucci, Casimir Pistons with general boundary conditions, *Nuclear Physics, Section B*, 891(2015), 676.

G. Fucci, The Casimir Effect for Thick Pistons, *International Journal of Modern Physics A*, 31(2016), 1650012.

G. Fucci & K. Kirsten, Expansion of Infinite Series Containing Modified Bessel Functions of the Second Kind, *Journal of Physics A: Mathematical and Theoretical*, 48(2015), 435203.

I. Gkigkitzis, & I. Haranas, Kretschmann Invariant and Relations between Spacetime Singularities, Entropy and Information, *Physics International*, 5:1(2014), 103-111.

I. Haranas, **I. Gkigkitzis**, & A. Alexiou, Fractal Growth on the Surface of a Planet and in Orbit around it, *Microgravity - Science and Technology*, 26:5(2014), 315-325.

Haranas, O. Ragos, **I. Gkigkitzis**, & Ilias Kotsireas, Quantum and post-Newtonian effects in the anomalistic period and the mean motion of celestial bodies, *Astrophysics and Space Science*, 358:12(2015).

J. Hattingh & E. Joubert, Some Bistar Bipartite Ramsey Numbers, *Graphs and Combinatorics*, 30(2014), 1175-1181.

J. Hattingh, O. Saleh, L. Van der Merwe, & T. Walters, Product Nordhaus-Gaddum type results for the induced path number with relative complements in K_n or $K_{n,n}$, *Utilitas Mathematica*, 94(2014), 275-285.

D. Hirschfeldt, K. Kramer, R. Miller, & **A. Shlapentokh**, Categoricity Properties for Computable Algebraic Fields, *Transactions of the American Mathematical Society*, 367:6(2015), 3981-4017.

C. Jantzen, Tempered representations for classical p-adic groups, *Manuscripta Mathematica*, 145(2014), 319-387.

C. Jantzen & B. Luo, The generic dual of p-adic SO_{2n} and local Langlands parameters, *Israel Journal of Mathematics*, 204:1(2014), 299-360.

W. Just & **S. Ahn**, Lengths of attractors and transients in neuronal networks with random Connectivities, *SIAM Journal on Discrete Mathematics*, 30:2(2016), 912-933.

E. Kakariadis & **E. Katsoulis**, Isomorphism invariants for multivariable C^* -Dynamics, *Journal of Noncommutative Geometry*, 8(2014), 771-787.

E. Katsoulis, The reflexive closure of the adjointable operators, *Illinois Journal of Mathematics*, 58(2014), 359-367.

E. Katsoulis, Local maps and the representation theory of operator algebras, *Transactions of the American Mathematical Society*, 368(2016), 5377-5397.

R. Miller & **A. Shlapentokh**, Computable Categoricity for Algebraic Fields with Splitting Algorithms, *Transactions of the American Mathematical Society*, 367:6(2015), 3955-3980.

W. T. Obuchowska, Irreducible infeasible sets in convex mixed-integer programs, *Journal of Optimization Theory and Applications*, 166:3(2015), 747-766.

I. Patyi, On some elementary functions, *The Mathematical Gazette*, 99(2015), 263-275.

I. Patyi, On holomorphic domination, II, *Comptes Rendus Mathematique*, 353(2015), 501-503.

D. Pravica, N. Randriamampy, & M. Spurr, Smooth Wavelet Approximations of Truncated Legendre Polynomials via the Jacobi Theta Function, *Abstract and Applied Analysis*, 2014, 24 pages, doi: 10.1155/2014/890456.

S. Ratnadurai-Giridharan, S. E. Zauber, R.M. Worth, T. Witt, **S. Ahn**, & Leonid L. Rubchinsky: Temporal patterning of neural synchrony in the basal ganglia in Parkinson's Disease, *Clinical Neurophysiology*, 127:2(2016), 1743-5.

A. Shlapentokh & C. Videla, Definability and Decidability in Infinite Algebraic Extensions, *Annals of Pure and Applied Logic*, 165:7-8(2014), 1243-1262.

G. Zouganelis, **I. Gkigkitzis**, & I. Haranas, Enhanced capillary rise of wetting liquids in reduced gravitational shielding under microgravity conditions, *Physics International*, 5:2:(2014), 140-151.