

2016-17

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- **S. Ahn**, S.E. Zauber, R.M. Worth, L.L. Rubchinsky. Synchronized beta-band oscillations in a model of the globus pallidus - subthalamic nucleus network under external input. *Frontiers in Computational Neuroscience* (2016) 10:13
- W. Just and **S. Ahn**, Lengths of attractors and transients in neuronal networks with random connectivities. *SIAM Journal on Discrete Mathematics* **30** (2)(2016) 912–933.
- T. Miller, K. Clements, **S. Ahn**, C. Park, E.H. Ji, F.A. Issa. Social status-dependent shift in neural circuit activation affects decision-making. *Journal of Neuroscience* **37**(8) (2017) 2137-2148.
- **Ali A. Al-Sharadqah**, A New Perspective in Functional EIV Linear Model: Part I, *Communication in Statistics: Theory and Methods* Ali Al-Sharadqah (2017) A new perspective in functional EIV linear model: Part I, *Communications in Statistics - Theory and Methods* **46**(14) (2017) 7039-7062.
- **S. Archava**, L. Goel and E. Traister, Teaching and Learning Basic Group Theory Through Building Models of Polyhedra. *Bridges Conference*, Jyväskylä, Finland, 9-13 August, 2016.
- **J. Choi**, The Valuation of an Equity-Linked Life Insurance Using the Theory of Indifference Pricing. *IAENG International journal of applied mathematics*, **46** (4) (2016) 480-487.
- **J. Choi**, GMWB Pricing in Stochastic Volatility, *Journal of Interdisciplinary Mathematics* (in press).
- **J. Choi**, Indifference Pricing of a GLWB option in Variable Annuities. *North American Actuarial Journal* (in press).
- **G. Fucci** and K. Kirsten, Functional determinants and Casimir energy in higher dimensional spherically symmetric background potentials, *Journal of Physics A: Mathematical and Theoretical* **49** (2016), 275203.
- I. Haranas, **I. Gkigkitzis**, G. Gómez, M. Fullana, and I. Kotsireas, Yukawa Effects on the Mean Motion of an Orbiting Body *Astrophysics Space Science* (2016) 361:365.
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- **E. Hilgoe**, J. Brinkley, **J. H. Hattingh** and **R. Bernhardt**, The Effectiveness of the North Carolina Early Mathematics Placement Test In Preparing High School Students for College-Level Introductory Mathematics Courses. *College Student Journal* **50** (3) (2016) 369-377.
- **J. H. Hattingh** and E.J. Joubert. Equality in a bound that relates the size and the restrained domination number of a graph. *Journal of Combinatorial Optimization* **31** (2016) 1586-1608.
- **J. H. Hattingh**, O. A. Saleh, L. C. van der Merwe and T. J. Walters, Nordhaus–Gaddum Results for the Induced Path Number of a Graph When Neither the Graph Nor Its Complement Contains Isolates. *Graphs and Combinatorics* **32** (2016) 987-996.
- D. Ban and **C. Jantzen**, The Langlands quotient theorem for finite central extensions of

p-adic groups II: Intertwining operators and duality. *Glasnik Matematički* **51**(2016) 153-

- **D.W. Pravica, N. Randriampiry, M.J. Spurr**, On q-Advanced Spherical Bessel Functions of the First Kind and perturbations of the Haar wavelet. *Applied and Computational Harmonic Analysis* (in press).
- **A. Shlapentokh**, Extensions of Hilbert's Tenth Problem: Definability and Decidability in *Number Theory. Martin Davis on Computability, Computational Logic, and Mathematical Foundations* (2016) Springer US.
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