

2013

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1. P. Albin, C.L. Aldana and F. Rochon, Ricci flow and the determinant of the Laplacian on non-compact surfaces. *Communication in Partial Differential Equations* 38 (2013), 711-749.
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4. P.R.S. Antunes, Optimization of sums and quotients of Dirichlet-Laplacian eigenvalues. *Appl. Math. Comput.* 219 (2013), 4239-4254.
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6. P.R.S. Antunes, P. Freitas and J.B. Kennedy, Asymptotic behaviour and numerical approximation of optimal eigenvalues of the Robin Laplacian. *ESAIM: Control, Optimisation and Calculus of Variations* 19 (2013), 438-459.
7. P.R.S. Antunes and P. Freitas, Optimal spectral rectangles and lattice ellipses. *Proc. Royal Soc. A Math. Phys. Eng. Sci.* 469 (2013), 20120492.
8. C. Bastos, A. Bernardini, O. Bertolami, N.C. Dias and J.N. Prata, Entanglement due to Noncommutative in the Phase space. *Phys. Rev D* 88 (2013), 085013 (6 pages).
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15. R. Coutinho and B. Fernandez. Extensive bounds on the topological entropy of repellers in piecewise expanding coupled map lattices. *Ergodic Theory and Dynamical Systems* 33 (3) (2013), 870-895.
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3. P. Ghaffari, N. Stollenwek, D. Masoero, U. Skwara, F. Rocha and M. Aguiar, Semiclassical Approximations of Stochastic Epidemiological Processes towards Parameter Estimation, In Proceedings of the 2013 International Conference on Computational and Mathematical Methods in Science and Engineering, Eds. I.P. Hamilton & J. Vigo-Aguiar, Vol. 4 (2013), 1278-1289.
4. Mateus, L., Stollenwerk, N., and Zambrini, J.C., Stochastic Models in Population Biology: From Dynamic Noise to Bayesian Description and Model Comparison for Given Data Sets, Int. Journ. of Comp. Mathematics, (2013)