

Publications for James Parkinson

2019

Guilhot, J., Parkinson, J. (2019). A proof of Lusztig's conjectures for affine type G_2 with arbitrary parameters. *Proceedings of the London Mathematical Society*, 118(5), 1188-1244. [More Information]

Parkinson, J., Yau, Y. (2019). Coxeter systems for which the Brink-Howlett automaton is minimal. *Journal of Algebra*, 527, 437-446. [More Information]

Parkinson, J., Van Maldeghem, H. (2019). Opposition diagrams for automorphisms of large spherical buildings. *Journal of Combinatorial Theory, Series A*, 162(February 2019), 118-166. [More Information]

Baumgartner, U., Parkinson, J., Ramagge, J. (2019). Scale and tidy subgroups for Weyl-transitive automorphism groups of buildings. *Journal of Algebra*, 520(February 2019), 460-478. [More Information]

2018

Gilch, L., Muller, S., Parkinson, J. (2018). Limit theorems for random walks on Fuchsian buildings and Kac $\frac{1}{2}$ Moody groups. *Groups, Geometry and Dynamics*, 12(3), 1069-1121. [More Information]

2017

Gilch, L., Muller, S., Parkinson, J. (2017). Asymptotic entropy of random walks on Fuchsian buildings and Kac $\frac{1}{2}$ Moody groups. *Mathematische Zeitschrift*, 285(3-4), 707-738. [More Information]

Abramenko, P., Parkinson, J., Van Maldeghem, H. (2017). Distance regularity in buildings and structure constants in Hecke algebras. *Journal of Algebra*, 481, 158-187. [More Information]

2015

Parkinson, J., Woess, W. (2015). Regular sequences and random walks in affine buildings. *Annales de l'Institut Fourier*, 65(2), 675-707. [More Information]

Parkinson, J., Temmermans, B., Van Maldeghem, H. (2015). The Combinatorics of Automorphisms and Opposition in Generalised Polygons. *Annals of Combinatorics*, 19(3), 567-619. [More Information]

2014

Parkinson, J. (2014). On calibrated representations and the Plancherel Theorem for affine Hecke algebras. *Journal of Algebraic Combinatorics*, 40(2), 331-371. [More Information]

2013

Abramenko, P., Parkinson, J., Van Maldeghem, H. (2013). A classification of commutative parabolic Hecke algebras. *Journal of Algebra*, 385, 115-133. [More Information]

Devillers, A., Parkinson, J., Van Maldeghem, H. (2013). Automorphisms and opposition in twin buildings. *Journal of the Australian Mathematical Society*, 94(2), 189-201. [More Information]

2011

Parkinson, J., Schapira, B. (2011). A Local Limit Theorem for Random Walks on the Chambers of A_2 Buildings. In Daniel Lenz, Florian Sobieczky, Wolfgang Woess (Eds.), *Random Walks, Boundaries and Spectra*, (pp. 15-53). Basel, Berlin: Springer. [More Information]

2009

Parkinson, J., Ram, A., Schwer, C. (2009). Combinatorics in affine flag varieties. *Journal of Algebra*, 321(11), 3469-3493. [More Information]

2007

Parkinson, J. (2007). Isotropic random walks on affine buildings. *Annales de l'Institut Fourier*, 57(2), 379-419. [More Information]

2006

Parkinson, J. (2006). Buildings and Hecke algebras. *Journal of Algebra*, 297(1), 1-49. [More Information]

Parkinson, J. (2006). Spherical harmonic analysis on affine buildings. *Mathematische Zeitschrift*, 253(3), 571-606. [More Information]