

Publications

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- 1) *Ramanujan Type Buildings*, Canad. J. Math. Vol. 52 (6), 2000, 1121-1148
- 2) *A Hypergraph with Commuting Partial Laplacians*, Canad. Math. Bull. Vol. 44 (4), 2001, 385-397
- 3) *A Simple Proof of Rolle's Theorem for Finite Fields* (with J. Roberts), The American Mathematical Monthly, Vol. 109 (1), 2002, 72-74
- 4) *Ramanujan Type Graphs and Bigraphs*, Proceedings of the 4th International Conference on Dynamical Systems and Differential Equations, May 24-27, 2002, Wilmington, NC, 78-82
- 5) *Hecke Operators for GL_n and Buildings* (with T. Shemanske and J. Rhodes), Acta Arithmetica 112, 2004, 131 - 140
- 6) *On the Kronecker Product $s_{(n-p,p)} * s_\lambda$* (with R. Orellana), Elec. Journal of Combinatorics, Vol 12, 2005, R28, 1 -26
- 7) *Determinants Associated to Zeta Matrices of Posets* (with S. Frechette and J. Little), Linear Algebra and its Applications 411, 2005, 364-370
- 8) *Multiplicities in the Kronecker Product $s_{(n-p,p)} * s_\lambda$* (with R. Orellana), submitted

In Preparation

- 9) *Spectrum Estimates for Tree Quotients of $U(3)$ over p -adic Fields*, in preparation
- 10) *The Asymptotic Behavior of the Lengths of Free Homotopy Classes of Loops in Certain Hypergraphs*, in preparation
- 11) *Bounded Spherical Functions for $GL_n(\mathbb{Q}_p)$* , in preparation
- 12) *Rolle's Theorem over Local Fields* (with. T. Shemanske), preprint