

PUBLICATIONS.

Refereed Journal Publications.

1. K. James, *L-series with non-zero central critical value*, Journal of the American Mathematical Society, **11** (1998), 635–641.
2. K. James and K. Ono, *On the irreducibility of Hecke polynomials*, Journal of Number Theory, **73** (1998), 527–532.
3. K. James and K. Ono, *Selmer groups of quadratic twists of elliptic curves*, Math. Ann., **314**, (1999), no. 1, 1–17.
4. K. James, *Elliptic Curves satisfying the Birch and Swinnerton-Dyer conjecture mod 3*, Journal of Number Theory, **76** (1999), 16–21.
5. D. Farmer and K. James, *The irreducibility of some level-1 Hecke polynomials*, Math. Comp. **71** (2002) no. 239, 1263–1270.
6. K. James, *Average Frobenius distributions for elliptic curves with 3-torsion*, Journal of Number Theory **109** (2004) no. 2, 278–298.
7. K. James, *Averaging Special Values of Dirichlet L-series*, Ramanujan Journal, **10**, (2005), no. 1, 75–87.
8. J. Battista, J. Bayless, D. Ivanov and K. James, *Average Frobenius distributions for elliptic curves with nontrivial rational torsion*, Acta Arith. **119** (2005), no. 1, 81–91.
9. K. Bowman, N. Calkin, Z. Cochran, T. Flowers, K. James and S. Purvis, *Linear independence in a random binary vector model*, 36th Southeastern International Conference on Combinatorics, Graph Theory, and Computing. Congr. Numer. **172** (2005), 29–32.
10. N. Calkin, K. James, S. Purvis, S. Race, K. Schneider, M. Yancey, *Counting Kings: Explicit Formulas, Recurrence Relations, and Generating Functions! Oh My!* Congressus Numerantium **182** (2006), 41-51.
11. N. Calkin, K. James, S. Purvis, S. Race, K. Schneider, M. Yancey, *Counting Kings: As easy as $\lambda_1, \lambda_2, \lambda_3, \dots$* Congressus Numerantium **183** (2006), 83-95.

12. K. James and G. Yu, *Average Frobenius distribution of elliptic curves*, Acta Arith. **124** (2006), 79-100.
13. M. Brown, N. Calkin, K. James, A. King, S. Purvis and R. Rhoades, *Trivial Selmer groups and the number of even partitions of a graph.*, INTEGERS: ELECTRONIC JOURNAL OF COMBINATORIAL NUMBER THEORY, **6** (2006), #A33.
14. N. Calkin, J. Davis, K. James, E. Perez and C. Swannack, *Computing the integer partition function.*, Math. Comp. **76** (2007), 1619-1638.
15. B. Faulkner and K. James, *A graphical approach to computing Selmer groups of congruent number curves*, Ramanujan Journal, **14** (2007) no. 1, 107–129.
16. B. Brown, N. Calkin, T. Flowers, K. James, E. Smith and A. Stout, *Elliptic Curves, Modular Forms, and Sums of Hurwitz Class Numbers.*, Journal of Number Theory, **128**, no. 6, (2008), 1847–1863.
17. N. Calkin, N. Drake, K. James, S. Law, P. Lee, D. Pennsinton, J. Radder, *Divisibility properties of the 5-regular and 13-regular partition functions*, INTEGERS: ELECTRONIC JOURNAL OF COMBINATORIAL NUMBER THEORY, **8(1)** (2008) # **A60**.
18. J. Burkhart, N. J. Calkin, S. Gao, J. C. Hyde-Volpe, K. James, H. Maharaj, S. Manber, J. Ruiz, E. Smith, *Finite field elements of high order arising from modular curves*, Designs, Codes and Cryptography, **51:3** June 2009.
19. N. Calkin, K. James, J. Janoski, S. Leggett, B Richards, N. Sitaraman, S. Thomas, *Computing strategies for graphical Nim*, Proceedings of the Forty-First Southeastern International Conference on Combinatorics, Graph Theory and Computing, Congr. Numer. **202**, (2010) 171–185.
20. N. Calkin, J. Davis, M. Delcourt, Z. Engberg, J. Jacob, K. James, *Discrete Bernoulli convolutionns: An algorithmic approach toward bound improvement*, Proc. Amer. Math. Soc. **139** (2011) no. 5, 1579–1584.
21. K. James, E. Smith *Average Frobenius Distributions for elliptic curves over Galois extensions*, Math Proc Camb Phil Soc. **150** issue 03 (2011) 439–458.

22. N. Calkin, B. Faulkner, K. James, M. King, D. Penniston, *Average Frobenius distributions for elliptic curves over abelian extensions*, Acta Arith. **149** (2011), no. 3, 215-244.
23. J. Beyerl, K. James, C. Trentacoste, H. Xue, *Products of Nearly Holomorphic Eigenforms*, Ramanujan Journal, **27**, Issue 3 (2012), 377–386.
24. K. James and E. Smith, *Average Frobenius distribution for the degree two primes of a number field*, Math. Proc. Camb. Phil. Soc., **154**, Issue 3 (2013), 499–525.
25. N. Calkin, J. Davis, M. Delcourt, Z. Engberg, J. Jacob, K. James, *Taking the convoluted out of Bernoulli convolutions: A discrete approach*, INTEGERS: ELECTRONIC JOURNAL OF COMBINATORIAL NUMBER THEORY, **13** (2013), Paper No. A-19, 12 pp.
26. T. Feng, K. James, C. Kim, E. Ramos, C. Trentacoste, H. Xue, *A graph theoretic approach to the 3-Selmer groups of certain elliptic curves*, The Ramanujan Journal: Volume 31, Issue 3 (2013), Page 435-459.
27. J. Beyerl, K. James, H. Xue, *On the divisibility of Eigenforms by other Eigenforms*, Proc. Amer. Math. Soc. (2014), no. 1, 29–38.
28. J. Hedetniemi, K. James, H. Xue, *Champion Primes for Elliptic Curves over Fields of Prime Order*, INTEGERS: ELECTRONIC JOURNAL OF COMBINATORIAL NUMBER THEORY, **14** (2014) # **A53**.
29. Kevin James, Brandon Tran, Minh-Tam Trinh, Phil Wertheimer, Dania Zantout, *Extremal Traces of Frobenius of Elliptic Curves*, Journal of Number Theory, **164** (2016) 282–298.
30. J. Brown, R. Cass, K. James, R. Keaton, S. Parenti, D. Shankman, *Counting tamely ramified extensions of local fields up to isomorphism*, Integers 16 (2016), Paper No. A53, 12 pp.
31. Jim Brown, David Heras, Kevin James, Rodney Keaton, Andrew Qian, *Amicable pairs and aliquot cycles for elliptic curves over number fields*, Rocky Mountain Journal of Mathematics, **46**, No 6 (2016) 1853–1866.

32. K. James, P. Pollack, *Extremal primes for elliptic curves with complex multiplication*, Journal of Number Theory 172C (2017) 383–391.
33. Jason Hedetniemi, Kevin James, *On unique realizations of domination chain parameters*, Journal of Combinatorial Mathematics and Combinatorial Computing, **101** (2017) 193–211.
34. Allison Arnold-Roksandich, Kevin James and Rodney Keaton, *Counting eta-quotients of prime level*, Involve, **11**, no.5, (2018) 827–844.
35. Agwu, Anthony; Harris, Phillip; James, Kevin; Kannan, Siddarth; Li, Huixi; *Frobenius distributions in short intervals for CM elliptic curves*. J. Number Theory **188** (2018), 263–280
36. K. James, Luke Giberson, *An Average Asymptotic for the Number of Extremal Primes of Elliptic Curves*, Acta Arithmetica, **183**(2), (2018).

Conference Proceedings (Reviewed).

37. K. James, *An example of an elliptic curve with a positive density of prime quadratic twists which have rank zero*, Proceedings of Topics in Number Theory [Editors: G. Andrews, K. Ono], Kluwer Acad. Publ. (1999), 223–227.
38. J. Brunier, K. James, W. Kohlen, K. Ono, C. Skinner and V. Vatsal, *Central critical values of quadratic twists of modular L-functions and some applications*, Proceedings of Topics in Number Theory [Editors: G. Andrews, K. Ono], Kluwer Acad. Publ. (1999), 115–125.
39. N. Calkin and K. James, *Clemson REU in Computational Number Theory and Combinatorics*, Proceedings of the Conference on Promoting Undergraduate Research in Mathematics, Joseph A. Gallian (editor), American Mathematical Society, 2007, 57–60.
40. K. James *Variants of the Sato-Tate and Lang-Trotter Conjecture*, Proceedings of the workshop “Frobenius Distribution on Curves,” held at Centre International de Rencontres Mathématique, Contemporary Mathematics **663** (2016) 175–184.

Papers Submitted And In Preparation.

41. Brown, James; James, Kevin; Li, Huixi, *Sun's conjecture on Gaussian primes*, (submitted).
42. Agwu, Anthony; Harris, Phillip; James, Kevin; Li, Huixi, *Average Frobenius distributions in short intervals*, (in preparation).