

PRESENTATIONS.

Plenary Lectures.

1. K. James, *Prime distribution and elliptic curves*, Plenary Lecture given at the UGA Graduate Student Mock AMS Conference, University of Georgia, Athens, GA (07/2010).

Invited Research Lectures.

1. K. James *The distribution of the traces of Frobenius for elliptic curves.*, AMS special session on Automorphic and Modular Forms, 2012 Spring Western Section Meeting, University of Hawaii at Manoa, Honolulu, HI (3/3-4/2012)
2. K. James *Prime distribution and elliptic curves*, AMS special session on Modular Forms, Elliptic Curves, and Related Topics, 2011 Fall Southeastern Section meeting, Wake Forest University, Winston-Salem, NC. (9/24-25/2011).
3. K. James *Sums of Hurwitz Class Numbers*, Senior Seminar, University of North Carolina - Asheville, Asheville, NC (2/3/2010).
4. K. James *Prime distribution and elliptic curves*, Noontime seminar, University of North Carolina - Asheville, Asheville, NC (2/4/2010).
5. K. James *Elliptic Curves and the distribution of primes*, Québec-Vermont Number Theory Seminar, McGill University, Montreal, Québec, Canada (10/30/2008).
6. K. James *The parity of the 5-regular and 13-regular partition functions and related results*, 2008 Southeastern sectional meeting of the Mathematical Association of America, The Citadel, Charleston, SC (3/29/08).
7. K. James *Undergraduate Research in Computational Number Theory and Combinatorics*, Session on Interdisciplinary Research Projects for Undergraduates at the International Conference on Advances in Interdisciplinary Statistics and Combinatorics, University of North Carolina-Greensboro, Greensboro, NC. (10/13/07).
8. K. James *Average Frobenius Distributions of Elliptic Curves*, Number Theory Seminar, University of South Carolina, Columbia SC. (9/20/07).

9. K. James *Some recent averaging results related to the Lang-Trotter conjecture*, AMS special session on Analytic Number Theory and Modular Forms, 2006 Fall Southeastern Section Meeting, Fayetteville, AR. (11/3/2006).
10. N. Calkin and K. James, *Research Experiences for Undergraduates*, Spellman College, Atlanta GA. (2/08/06).
11. K. James, *The Lang-Trotter conjecture on average*. Number Theory seminar, University of South Carolina, Columbia SC. (2/25/05).
12. K. James, *The Lang-Trotter conjecture on average*. Number Theory seminar, Texas A&M University, College Station, TX. (2/17/05).
13. K. James, *Average Frobenius distributions for elliptic curves with rational torsion*. AMS special session on Arithmetic Algebraic Geometry, Joint Mathematics meetings, Atlanta, GA (1/2005).
14. K. James, *Sums of Hurwitz class numbers*. UGA Department of Mathematics VIGRE seminar, University of Georgia, Athens, GA. (2/24/2004).
15. K. James, *Average Frobenius distributions for elliptic curves with non trivial rational torsion subgroups*. AMS special session "Modular Forms, Elliptic Curves, and Related Topics," 2003 Joint Mathematics Meetings, Baltimore, MD (1/15-18/2003).
16. K. James, *The Lang-Trotter Conjecture on average*. AMS special session on Number Theory, 2002 Spring South East Sectional Meeting in Atlanta, GA (3/2002).
17. K. James, *The Lang-Trotter Conjecture for elliptic curves with 3-torsion*. Number Theory seminar, University of Georgia, Athens, GA (2/2002).
18. K. James, *Average Frobenius distributions for elliptic curves with prescribed torsion subgroup*. AMS special session on Number Theory, 2001 Spring Central Section Meeting, Lawrence, KS (3/2001).
19. K. James, *Average Frobenius distributions for elliptic curves with prescribed torsion subgroup*. AMS special session on Analytic Number Theory, 2001 Spring Southeastern Section Meeting, Columbia, SC (3/2001).

20. K. James, *What is number theory good for anyway*. Davidson College, Davidson, North Carolina (2/2000).
21. K. James, *On Selmer groups of quadratic twists of elliptic curves*. AMS special session on automorphic forms, 2000 Joint meetings of the AMS and MAA, Washington DC (1/2000).
22. K. James, *On Selmer groups of quadratic twists of elliptic curves*. New York Number Theory Seminar, City University of New York, New York, New York (5/1999).
23. K. James, *On Selmer groups of quadratic twists of elliptic curves*. Modular forms meeting, Oberwolfach Institute, Oberwolfach, Germany (12/1998).
24. K. James, *How to multiply really fast*. Undergraduate informal mathematics seminar, Bucknell College, Lewisburg, PA (4/1998).
25. K. James, *Density Theorems related to the non-vanishing of L -series of Modular Forms*. AMS special session on Modular Identities and Q -series, Philadelphia, PA (4/1998).
26. K. James, *On quadratic twists of elliptic curves*. AMS special session in Number Theory, University of Montreal, Montreal, Canada (9/1997).
27. K. James, *On quadratic twists of elliptic curves*. AMS special session on number theory, Rutgers University, Newark, NJ (3/1997).
28. K. James, *On quadratic twists of elliptic curves*. University of Missouri, Columbia, MO (11/1996).

Invited Colloquia.

1. K. James, Math Honors Banquet, East Tennessee State University, Johnson City, Tennessee (4/2005).
2. K. James, University of Missouri, Columbia, Missouri (3/2000).
3. K. James, Clemson University, Clemson, South Carolina, (2/2000).
4. K. James, University of North Texas, Denton, Texas (2/2000).
5. K. James, Bucknell University, Lewisburg, Pennsylvania (2/2000).
6. K. James, Western Carolina University, Cullowhee, North Carolina (2/2000).

Contributed Lectures.

1. K. James, *Sums of Hurwitz class numbers*. South East Regional Meeting On Numbers (SERMON), College of Charleston, Charleston, SC (4/17/2004).
2. K. James, *The Lang-Trotter conjecture for elliptic curves with rational 3-torsion*. 7-th meeting of the Canadian Number Theory Association (CNTA), Universite de Montreal, Montreal, Canada (5/22/2002).
3. K. James, *Average Frobenius distributions for elliptic curves with prescribed torsion subgroup*. SERMON, Furman University, Greenville, SC (3/2001).
4. K. James, *On Selmer groups of quadratic twists of elliptic curves*. CNTA-6, Winnipeg, Manitoba, CANADA (6/1999).
5. K. James, *On the irreducibility of Hecke Polynomials*. 12th annual workshop on automorphic forms and related topics, University of Missouri, Columbia, Missouri (2/1998).
6. K. James, *On quadratic twists of elliptic curves*. Algebra Weekend, University of Missouri, Columbia, Missouri (10/1997).
7. K. James, *L-series with non-zero central critical value*. Topics in Number Theory, The Pennsylvania State University, State College, Pennsylvania (7/1997).
8. K. James, *On the non-vanishing of L-series of quadratic twists of modular forms*. West Coast Number Theory Conference, University of Nevada, Las Vegas, NV (12/1996).
9. K. James, *An example of an elliptic curve with an infinite number of rank zero twists*. CNTA-5, Carleton University, Ottawa, Canada (8/1996).
10. K. James, *An example of an elliptic curve with an infinite number of rank zero twists*. NSF-CBMS Regional Conference: Euler Products and Eisenstein Series, Texas Christian University, Fort Worth, TX (5/1996).
11. K. James, *Modular Forms of Half Integral Weight and Waldspurger's Theorem*. SERMON, Wake Forest University, Winston-Salem, NC (3/1996).

12. K. James, *Modular Forms and Elliptic Curves*. SERMON, College of Charleston, Charleston, SC (4/1995).

Seminar Talks.

1. K. James *Prime Distribution and Elliptic Curves* given in the Number Theory Seminar at Clemson University, Clemson, SC (Fall 2011).
2. J. Brown, N. Calkin and K. James “*How we spent our summer*” or “*The 2010 Clemson REU*” given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2010).
3. N. Calkin and K. James “*How we spent our summer*” or “*The 2009 Clemson REU*” given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2009).
4. N. Calkin and K. James “*How we spent our summer*” or “*The 2008 Clemson REU*” given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2008).
5. N. Calkin and K. James “*How we spent our summer*” or “*The 2007 Clemson REU*” given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2007).
6. K. James, *Problems related to factoring*, given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2007).
7. N. Calkin and K. James “*How we spent our summer*” or “*The 2006 Clemson REU*” given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2006).
8. K. James, *Recent undergraduate research on elliptic curves* given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2005).
9. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2005).
10. K. James, *The Lang-Trotter conjecture on average*, given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Spring 2005).

11. N. Calkin and K. James, “*How we spent our summer*” or “*The 2004 Clemson REU,*” given along with N. Calkin in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2004).
12. K. James, *Galois Representations associated to elliptic curves*, given in the Informal Algebra and Number Theory seminar, Clemson University, Clemson South Carolina (Fall 2004).
13. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2004).
14. K. James, *Introduction to Projective Geometry* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Fall 2003).
15. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2003)
16. N. Calkin and K. James, *REU in computational number theory and combinatorics* given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2002).
17. K. James, *A new polynomial time primality testing algorithm* given in the Algebra and Discrete Math seminar at Clemson University, Clemson South Carolina (Fall 2002).
18. K. James, *A summary of the congruent number problem* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Fall 2002).
19. K. James, *The Lang Trotter conjecture* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Spring 2002).
20. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2002)
21. K. James, *Some interesting Class Number Formulas* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Fall 2001).

22. K. James, *Recent Progress on the Lang-Trotter conjecture*. given in the Algebra and Discrete Math Seminar at Clemson University, Clemson South Carolina (Fall 2001).
23. K. James, *Explicit Formulae for the group law of elliptic curves over finite fields II* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Spring 2001).
24. K. James, *Explicit Formulae for the group law of elliptic curves over finite fields I* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Spring 2001).
25. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2001)
26. K. James, *An introduction to elliptic curves II* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Spring 2000).
27. K. James, *An introduction to elliptic curves I* given in the Informal Algebra and Number Theory seminar at Clemson University, Clemson South Carolina (Spring 2000).
28. K. James, *Research Topics in Number Theory* given in the First Year Graduate Seminar at Clemson University, Clemson South Carolina (Spring 2000)
29. K. James, *Nonvanishing Theorems for elliptic curves II.*, given in the Algebra and Discrete Math Seminar at Clemson University, Clemson South Carolina (Fall 2000).
30. K. James, *Nonvanishing Theorems for elliptic curves I.*, given in the Algebra and Discrete Math Seminar at Clemson University, Clemson South Carolina (Fall 2000).
31. K. James, *A computational approach to Frobenius distributions* given in the Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1999).
32. K. James, *Selmer groups of quadratic twists of elliptic curves II*

- given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1998).
33. K. James, *Selmer groups of quadratic twists of elliptic curves I* given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1998).
 34. K. James, *Non-vanishing of modular L -series in families of quadratic twists* given in the Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1997).
 35. K. James, *Apéry's proof that $\zeta(3)$ is irrational* given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1997).
 36. K. James, *On the non-vanishing of L -series attached to modular forms of high weight* given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1997).
 37. K. James, *On the non-vanishing of modular L -series at level one* given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1997).
 38. K. James, *On the irreducibility of Hecke polynomials* given in the Informal Number Theory Seminar at The Pennsylvania State University University Park, Pennsylvania (Fall 1997).
 39. K. James, *On the reduction of elliptic curves* given in the Arithmetic Geometry Seminar at University of Georgia Athens, Georgia (Spring 1996).
 40. K. James, *An example of an elliptic curve with a positive density of prime quadratic twists having rank zero* given in the Number Theory Seminar at University of Georgia Athens, Georgia (Spring 1996).
 41. I gave two lectures on modular forms and one on using quadratic forms to build modular forms in the Graduate Elliptic Curves and Modular Forms Class at University of Georgia, Athens, Georgia (Spring 1996).
 42. K. James, *Elliptic curves, modular forms and the congruent number problem* given in the Number Theory Seminar at University of

Georgia Athens Georgia (Winter 1995).

43. I gave various talks on Modular Forms and Elliptic Curves. in the weekly Student Number Theory Seminar at University of Georgia, Athens, Georgia (1994-1997). I was an organizer of this seminar from 1994 to 1996.