

SouthEast Regional Meeting On Numbers
University of North Carolina at Greensboro
Greensboro, NC, USA
Saturday, May 2nd and Sunday, May 3rd

Saturday, May 2nd

9:00-9:15 Fred Howard - Wake Forest University

9:20-9:35 Mike Mossinghoff - Appalachian State University - Mollifiers of $(x-1)^m$ of minimal degree

9:40-9:55 Shuguang Li - University of Georgia - Two ways of counting primitive λ -roots

10:00-10:15 Ernest S. Croot III - University of Georgia - On square-free polynomials with linear factors

10:15 Break

10:40-10:55 Bruce Landman - University of North Carolina at Greensboro - Monochromatic quasi-progressions and monochromatic sequences whose gaps belong to $\{d, 2d, \dots, md\}$

11:00-11:15 Jon Grantham - Institute for Defense Analysis - Carmichael numbers with exactly k prime factors

11:20-12:15 Problem session, chaired by John Selfridge. Please submit problems to him in advance.

12:15-2:00 Lunch in Room 416

2:00-2:15 Michael Filaseta - University of South Carolina - The irreducibility of the Bessel polynomials

2:20-2:35 Greg Martin - Institute for Advanced Study - Polynomials and smooth numbers

2:40-2:55 Paul Young - College of Charleston - Kummer congruences for higher-order Bernoulli numbers

3:00-3:15 James E. Carter - College of Charleston - Module structure of integers in metacyclic extensions

3:20 Break

3:40-3:55 Ognian Trifonov - University of South Carolina - Lattice points close to a curve

4:00-4:15 Richard Hudson - University of South Carolina - Why primes in arithmetic progressions appear to exhibit unexpected distributions when $L(s, \chi)$, χ real, has a small zero
4:20-4:35 Angel Koumrtchev - University of South Carolina - A Diophantine inequality involving prime powers

Sunday, May 3rd

9:00-9:15 Seva Lev - University of Georgia - Restricted set addition in Abelian groups
9:20-9:35 Daniel Shiu - University of Georgia - Gaussian primes almost everywhere
9:40-9:55 Mark Watkins - University of Georgia - Real zeros of Dedekind zeta functions associated with imaginary quadratic fields
10:00-10:15 Gang Yu - University of Georgia - On the number of divisors of a quadratic form
10:20-10:35 Pam Cutter - University of Georgia - Prime triples and binomial coefficients
10:40-10:55 Bob Kauffman - University of Alabama at Birmingham - Is quantum chaos number theory?
11:00-11:15 Tom Brylawski - University of North Carolina at Chapel Hill - Efficient algorithms for fourth and sixth roots of unity