

Palmetto Number Theory Seminar

Schedule for Meeting 7, October 11-12, 2008

Saturday, October 11:

- 1:00-2:00 Florian Luca, UNAM, *On sums of powers of primes*
- 2:00-2:15 Break
- 2:15-2:35 James Carter, College of Charleston, *An update on the restricted Hilbert-Speiser and Leopoldt field properties*
- 2:40-3:00 Sebastian Pauli, UNC - Greensboro, *Factoring polynomials over local fields*
- 3:00-3:15 Break
- 3:15-3:35 Hester Graves, University of Michigan, *Introduction to Euclidean ideal classes*
- 3:40-4:00 Ethan Smith, Clemson University, *The mean square error for the Čebotarev Theorem in cyclotomic extensions*
- 4:00-4:15 Break
- 4:15-4:35 Paul Young, College of Charleston, *Questions related to the factorization of degenerate Bernoulli numbers*
- 4:40-5:00 Problem Session

Sunday, October 12:

- 9:00-10:00 Ram Murty, Queen's University, *L-series and transcendental numbers*
- 10:00-10:15 Break
- 10:15-10:35 Renling Jin, College of Charleston, *Plünnecke's inequality for densities*
- 10:40-11:00 Jim Stankewicz, University of Georgia, *Possible torsion subgroups of CM elliptic curves*
- 11:00-11:15 Break
- 11:15-11:35 Dan Yasaki, UNG - Greensboro, *Perfect forms over real quadratic fields*
- 11:40-12:00 Guohua Peng, Sichuan University, *The genus fields of function fields*