

# LEE TROUPE

Department of Mathematics  $\diamond$  Boyd Graduate Research Center  $\diamond$  Athens, Georgia 30602  
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## EDUCATION

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- University of Georgia**, Athens, Georgia August 2010 - Present  
Ph.D. Candidate in Mathematics  
*anticipated graduation: May 2016*
- University of Tennessee**, Knoxville, Tennessee August 2006 - May 2010  
Bachelor of Science in Mathematics

## PAPERS

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- On the number of prime factors of values of the sum-of-proper-divisors function** 2014  
*J. Number Theory (to appear)*

## PRESENTATIONS

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- Bounded gaps between primes in  $\mathbb{F}_q[t]$  with a given primitive root** December 2014  
Palmetto Number Theory Series XXIII at the University of South Carolina
- Audioactive Decay: John Conway and His Cosmological Theorem** November 2014  
VIGRE Grad Student Seminar
- The number of prime factors of  $s(n)$**  November 2014  
AMS Sectional Meeting at UNC Greensboro
- The Hardy-Ramanujan Theorem and related results** October 2014  
Clemson Number Theory Seminar
- Ruth-Aaron Numbers** March 2014  
VIGRE Grad Student Seminar
- Small gaps between primes** July 2013  
UGA Mock AMS Conference
- The Prime Number Graph** March 2013  
VIGRE Grad Student Seminar
- Graph Pebbling** June 2012  
UGA Mock AMS Conference
- A brief introduction to Hadamard matrices** July 2011  
UGA Mock AMS Conference

## CONFERENCES ATTENDED

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- Palmetto Number Theory Series XXIII** December 2014  
*University of South Carolina*
- AMS Southeast Sectional Meeting** November 2014  
*University of North Carolina, Greensboro*
- Integers 2013, Erdős Centennial Conference in Combinatorial Number Theory** Oct. 2013  
*University of West Georgia*

<b>Combinatorial and Additive Number Theory</b> <i>City University of New York</i>	May 2013
<b>Southeast Regional Meeting on Numbers</b> <i>High Point University</i>	April 2013
<b>Georgia Analysis Symposium</b> <i>University of Georgia</i>	March 2013
<b>Palmetto Number Theory Series XIX</b> <i>University of South Carolina</i>	December 2012
<b>Palmetto Number Theory Series XVIII</b> <i>Wake Forest University</i>	September 2012

## TEACHING EXPERIENCE

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### Instructor of Record

- UNIV 1101: Introduction to Precalculus Fall 2014
- MATH 5001: Arithmetic and Problem Solving Fall 2013  
*for future elementary school teachers*
- MATH 2200: Analytic Geometry and Calculus Spring 2012
- MATH 1113: Precalculus Fall 2011

### Grader

- MATH 4000/6000: Modern Algebra and Geometry I Fall 2011

### Other

- MATH 1101: Introduction to Mathematical Modeling Spring 2014  
*campus-wide exam review session leader*
- Tutoring Spring 2014  
*via UGA's Academic Resource Center; tutored students in precalculus, single- and multivariable calculus, differential equations, and other undergraduate topics*
- Tennessee Governor's School Summer 2010  
*teaching assistant for linear algebra course for exceptional high-school students*

## SERVICE

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- Organizer for UGA's Graduate Student Seminar Spring 2015
- Graduate student assistant for UGA High School Math Camp Summer 2014

## LANGUAGES

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### English

- native speaker

### German

- reading knowledge

## AWARDS & HONORS

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**VIGRE Research Fellowship**  
*NSF Grant DMS-0738586*

August 2010 - June 2011, May 2012 - June 2013

**RTG-AGANT Research Fellowship**  
*NSF Grant DMS-1344994*

Spring 2015

*last updated: January 2015*