

CONTACT INFORMATION	Department of Mathematics University of South Carolina LeConte College 1523 Greene Street Columbia, SC 29208 USA	ssgross@math.sc.edu www.math.sc.edu/~ssgross (803)777-4224 (Dept. Office) (803)777-3783 (Fax) (803)404-4057 (Home)
CITIZENSHIP	USA	
EDUCATION	University of South Carolina , Columbia, South Carolina USA Ph.D., Mathematics, Expected May, 2012 <ul style="list-style-type: none"> • Advisor: Professor Michael A. Filaseta • Dissertation: <i>The Prime Factorization of $f(n)$ for $f(x) \in \mathbb{Z}[x]$ and the Factorization of Polynomials with non-Negative Integer Coefficients.</i> • Area of Study: Number theory Kent State University , Kent, Ohio USA B.S., magna cum laude, Mathematics, May 2007	
TEACHING EXPERIENCE	University of South Carolina , Columbia, South Carolina USA <i>August 2007 to present</i> <ul style="list-style-type: none"> • I have taught the following courses: MATH 111 - Basic College Mathematics, MATH 115 - Pre-Calculus, MATH 122 - Calculus for Business Administration and Social Sciences, MATH 141 - Calculus I, MATH 142 - Calculus II. • Teaching Assistant in MATH 142 - Calculus II Included teaching a Maple computer lab course on calculus applications. 	
RESEARCH INTERESTS	My immediate research interests lie in number theory, including analytic, algebraic, computational and transcendental topics. Of particular interest are the connections between prime numbers and irreducible polynomials. I am also interested in number theoretic applications such as those found in cryptography and computer science.	
PUBLICATIONS	Gross, Samuel S., Vincent, Andrew F. <i>The Prime Factorization of $f(n)$ for $f(x) \in \mathbb{Z}[x]$.</i> submitted November 2011. Filaseta, Michael A., Gross, Samuel S. <i>Irreducibility Criteria for Polynomials With Non-negative Integer Coefficients.</i> Submission expected Spring 2012.	
SELECTED TALKS	Joint Mathematics Meetings, Boston <i>The Prime Factorization of $f(n)$ for $f(x) \in \mathbb{Z}[x]$</i> , January, 2012. Emory University , Palmetto Number Theory Series XVI <i>The Prime Factorization of $f(n)$ for $f(x) \in \mathbb{Z}[x]$</i> , September, 2011. University of South Carolina <i>The Prime Factorization of $f(n)$ for $f(x) \in \mathbb{Z}[x]$</i> Seminar address, Fall 2011. <i>Elementary Proofs of the Prime Number Theorem</i> , Seminar address, Fall, 2007.	

INVITED
WORKSHOPS

AMS Mathematics Research Communities, Snowbird Resort, UT
The Pretentious View of Analytic Number Theory, June 2011.

Fields Institute, Toronto, ON

Thematic Program on the Foundations of Computational Mathematics: *Workshop on Discovery and Experimentation in Number Theory*, September 2009.

PROFFESIONAL
ACTIVITIES

University of South Carolina

2008-Present: Graduate Advisory Committee, Department of Mathematics.
2008-2009: Calculus Textbook Selection Committee.
2008: Co-designer of the Graduate Programs in Mathematics brochure.
2009-Present: Co-organizer of the Number Theory Seminar.
2009, 2010: Pi Mu Epsilon - Integration Bee Grader.
2009, 2010: High School Math Contest proctor organizer.
2010-2011: Panel Member, Graduate School Information Night.
2010-Present: Department of Mathematics Event Committee member.

Kent State University at Stark

2004-2007: President and Founder of the MAA Student Chapter.
2006,2007: Founder and Organizer, High School Mathematics Competition.

MILITARY
SERVICE

United States Marine Corps

1999 - 2003

AWARDS AND
HONORS

Kent State University

2006: Recipient of the Lubrizol Sholarship
2006: The Annual Department Award in Mathematics

CONFERENCES
ATTENDED

Palmetto Number Theory Series (PANTS) XVI, Emory University, Atlanta, GA, September 2011.

Southeast Regional Meeting On Numbers (SERMON) 2011, Armstrong Atlantic State University, Savannah, GA, April 2011.

Palmetto Number Theory Series (PANTS) XV, Clemson University, Clemson, SC, February 2011.

Palmetto Number Theory Series (PANTS) XIV, University of South Carolina, Columbia, SC, December 2010.

Palmetto Number Theory Series (PANTS) XIII, University of North Carolina Greensboro, Greensboro, NC, September 2010.

Southeast Regional Meeting On Numbers (SERMON) 2010, Davidson College, Davidson, NC, April 2010.

Palmetto Number Theory Series (PANTS) XII, Clemson University, Clemson, SC, February 2010.

Palmetto Number Theory Series (PANTS) XI, University of South Carolina, Columbia, SC, December 2009.

Palmetto Number Theory Series (PANTS) X, Armstrong Atlantic State University, Savannah, GA, September 2009.

Southeast Regional Meeting On Numbers (SERMON) 2009, University of North Carolina Greensboro, Greensboro, NC, April 2009.

Palmetto Number Theory Series (PANTS) VIII, University of South Carolina, Columbia, SC, December 2008.

Palmetto Number Theory Series (PANTS) VI / Southeast Regional Meeting On Numbers (SERMON) 2008, Clemson University, Clemson, SC, April 2008.

Palmetto Number Theory Series (PANTS) V, Furman University, Greenville, SC, February 2008.

Palmetto Number Theory Series (PANTS) IV, University of South Carolina, Columbia, SC, December 2007.

AMS, MAA Joint Meetings, New Orleans, LA, January 2007.

MEMBERSHIPS

American Mathematical Society.
Mathematics Association of America.
Pi Mu Epsilon.

REFERENCES

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