

Andrew Incognito

Curriculum Vitae

Education

- 1998 **Ph.D.**, *Mathematics*, Temple University, Thesis: Riesz Transforms Associated with the Laguerre Polynomials, C. Gutierrez, adviser.
- 1992 **M.A.**, *Mathematics*, Temple University.
- 1989 **B.A.**, *Mathematics*, Temple University.

Experience

- 2009–Present **Associate Professor**, COASTAL CAROLINA UNIVERSITY, *Conway, SC*.
- 2003–2009 **Assistant Professor**, COASTAL CAROLINA UNIVERSITY, *Conway, SC*.
- 2002–2003 **Visiting Assistant Professor**, COASTAL CAROLINA UNIVERSITY, *Conway, SC*.
- 2001–2002 **Visiting Assistant Professor**, TEMPLE UNIVERSITY, *Philadelphia, PA*.
- 1998–2001 **Assistant Professor**, AL AKHAWAYN UNIVERSITY, *Ifrane, Morocco*.

Courses Taught

Advanced Calculus I, Advanced Calculus II, Complex Variables, Mathematical Probability, Statistical Inference II Abstract Algebra, Actuarial Science Exam Preparation, Number Theory, Combinatorics, Senior Seminar, Freshman Seminar, History of Mathematics, Linear Algebra, Differential Equations, Proofs and Problem Solving, Calculus I, Calculus II, Calculus III, Business Calculus, Pre-Calculus, Trigonometry, Finite Mathematics, College Algebra, Algebra, Arithmetic.

Publications

9. *Combinatorics*, online textbook, <https://ximera.osu.edu/math>, 2021
8. *Complex Variables*, online textbook, <https://ximera.osu.edu/math>, 2020
7. *Calculus II*, online textbook, <https://ximera.osu.edu/math>, 2019
6. *A Note on the Generalized Ideal Theorem on Certain Subalgebras of $H^\infty(D)$* , (with D. Banjade, M. Ephrem and M. Wilkerson), ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, 2016.
5. *Calculus I*, online textbook, <https://ximera.osu.edu/math>, 2016
4. *The Effects of a Web-based Application on Teaching and Learning Mathematics*, (with S. Tan) PROCEEDINGS OF THE SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION, International Conference, [p. 3835-3836], 2006.

3. *Exploring Sudoku* (with students L. Hodge and C. Witt), JOURNAL OF RECREATIONAL MATHEMATICS, Vol. 34, No. 3, 2005-2006.
2. *Weak-type (1-1) Inequality for the Monge Ampere Singular Integral Operators*, JOURNAL OF FOURIER ANALYSIS AND APPLICATIONS, Vol. 7, No. 1, 2001.
1. *Riesz Transforms, g -Functions, and Multipliers for the Laguerre Semigroup*, (with C. Gutierrez and J. Torrea) HOUSTON JOURNAL OF MATHEMATICS, Vol. 27, No. 3, 2001.

Grants and Awards

- 2018 CCU PEG Grant, *Interactive Online Textbook for Math 161, Calculus II*, \$6,000
- 2013 (Not Funded) National Science Foundation grant DMS-1344964, *Beachside Transitions: Building Mathematical Preparedness in South Carolina at Coastal Carolina University*, Co- PI. If funded, this would have been a five year program worth \$1.5 million. PI: Dr. J. Solazzo; Other Co-PIs: Drs. T. Hoffman and M. Wilkerson.
- 2010 (Not Funded) Quality Enhancement Program, Coastal Carolina University, *Bridging the gap between Algebra and Calculus to Enhance Quantitative Literacy*, Co-PI Daniel Wallace (undergraduate student).
- 2005-06 Coastal Carolina University, SOTL Grant, *Reading for Success in Mathematics*, \$1500.
- 2004-05 Coastal Carolina University, SOTL Grant, *The Effects of a Web-based Application on Teaching and Learning Calculus*, \$1500.
- 2001 Al Akhawayn University, Distinguished Service Award.
- 1997-98 Temple University, Dissertation Fellowship Grant, \$16000.
- 1997 Temple University, Distinguished Teaching Certificate.
- 1991-92 Temple University, Curriculum Development Grant, \$500.

Presentations

- 2018 *Using Ximera to Create Interactive Online Documents*, SE MAA Regional Meeting.
- 2017 *On Wolff's Ideal Theorem*, MAA-SE Regional Meeting.
- 2013-14 *Measure Theory Seminar*, CCU- conducted ten meetings throughout the academic year.
- 2014 *Flipping the Classroom*, CCU COI (poster).
- 2013 *Flipping the Classroom*, CCU CTeal (poster).
- 2009 *Voting Systems*, CCU Annual High School Math Contest.
- 2008 *Carl F. Gauss*, CCU Annual High School Math Contest.
- 2007 *Calculus on the Web: An Experiment on its Effectiveness on Learning*, American Educational Research Association International Conference.
- 2007 *Reading for Success in Mathematics*, MAA-SE Regional Meeting.
- 2007 *Wavelet Decomposition of Signals* (co-presenter D. Duncan, CCU COI).
- 2007 *The Mathematics of Voting* (co-presenter E. Furgeson, CCU COI).

- 2006 *The Effects of a Web-based Application on Teaching and Learning Mathematics*, MAA-SE Regional Meeting.
- 2005 *The Effect of a Web-based Application on Teaching and Learning*, Joint Meetings of the MAA and AMS (national conference).
- 2004 *Quaternions in the Modern World*, MAA-SE Regional Meeting.
- 2004 *Quaternions in the Modern World*, CCU COI.
- 2004 *Riesz Transforms Associated with the Laguerre Polynomials*, Zhongshan University, Guangzhou, China (Analysis Seminar guest speaker).
- 2003 *Riesz Laguerre Transforms*, AMS East Regional Meeting.
- 2002 *Singular Integral Operators Associated with the Monge Ampere Equation*, Temple University (Analysis Seminar).

Student Presentations

- 2019 *The Basel Problem*, Adrian Avalos, Francis Marion Undergraduate Mathematics Conference.
- 2018 *Ramsey Theory, $R(3, 4) = 10$* , Eric Zhang, Francis Marion Undergraduate Mathematics Conference.
- 2017 *The Hilbert Curve*, Shaquille Dixon, MAA-SE Regional Meeting.
- 2017 *Interesting Induction*, Daijoni Ferguson, Francis Marion Undergraduate Mathematics Conference.
- 2017 *Singular Value Decompositions*, Jason Zhang, Francis Marion Undergraduate Mathematics Conference.
- 2017 *Ramsey Theory*, Eric Zhang, MAA-SE Regional Meeting.
- 2014 *Calculating Pi*, Ethan Colaizzi, SMURCHOM VII.
- 2013 *Calculating Pi*, Ethan Colaizzi, MAA-SE Regional Meeting.
- 2010 *Fermat Integration*, Kyle Rollins, MAA-SE Regional Meeting (Kyle won \$100).
- 2007 *Voting Systems*, Mathew Williams and Stephen Barr, CCU COI.
- 2005 *Exploring Sudoku*, Laura Hodge and Collin Witt, MAA-SE Regional Meeting.
- 2004 *Quaternions in the Modern World*, Andy Bartlett, CCU COI.

Student Posters

- 2020 *Brachistochrone Curve Problem*, Brett Ligon, CCU Senior Seminar.
- 2020 *Arc Length and Comets*, Chandler Irvin, CCU Senior Seminar.
- 2019 *Singular Value Decomposition*, Krystal Bonaccorso, CCU Senior Seminar.
- 2018 *Machine Learning and Neural Networks*, Richard Lewis, CCU Senior Seminar.
- 2017 *Space Filling Curves*, Shaquille Dixon, CCU Senior Seminar.
- 2017 *Space Filling Curves*, Shaquille Dixon, Joint Meetings of the MAA and AMS.
- 2016 *The Hilbert Space Filling Curve*, Shaquille Dixon, Francis Marion Undergraduate Mathematics Conference.
- 2016 *Kepler's Laws of Planetary Motion*, Zach Lloyd, CCU Senior Seminar.

- 2015 *Quadrature of the Parabola*, Tyler Dykstra, CCU Senior Seminar.
- 2015 *Catalan Numbers*, Dashawn Drayton, CCU Senior Seminar.
- 2014 *The Monty Hall Problem*, Ethan Colaizzi, CCU Senior Seminar.
- 2014 *Fractals and Julia Sets*, Michael Hood, MAA-SE Regional Meeting.
- 2013 *Fractals and Julia Sets*, Michael Hood, CCU Senior Seminar.
- 2012 *Draining a Cylinder*, Michael Macon, CCU Senior Seminar.
- 2011 *Fractal Tilings*, Chelsea Fox, CCU Senior Seminar.
- 2010 *Intriguing Integrals*, Charlie Richards, CCU Senior Seminar.
- 2009 *Game Theory: Total Conflict*, David Crouch, CCU Senior Seminar.
- 2008 *Perfect Shuffles*, Joseph Tracy, CCU Senior Seminar.

Selected Service Activities

- April 2018 Judge, Coastal Undergraduate Research Competition
- March, 2017 Judge, poster competition, South Carolina Academy of Science
- January, 2017 Judge, poster competition, Joint Meetings of the MAA and AMS
- 2016-Present College of Science Curriculum Committee
 - 2010-2021 Department Assessment Committee (chair)
 - 2015-2016 College of Science Promotion and Tenure Committee
 - 2012-2014 College of Science Promotion and Tenure Committee
 - 2011-2012 Department Hiring Committee
 - 2009-2011 College of Science Course Evaluations Committee
 - 2007-2008 College of Education Dean Search Committee
 - 2006-2007 SOTL Grant Reviewer
 - 2004-2007 College of Science Curriculum Committee
 - 2004-2007 University Faculty Senate
 - 2004-2005 Department Hiring Committee (chair)