

STEPHEN LAPPANO

Department of Mathematics & Statistics
University of South Florida
4202 E Fowler Avenue, CMC112
813-974-4571
slappano@mail.usf.edu

EDUCATION

The University of South Florida
Ph.D in Mathematics
“Some Results Concerning Permutation Polynomials over Finite Fields” 2016
Concentration: Algebra, Finite Fields, Permutation Polynomials

The University of South Florida
Master of Arts in Mathematics 2015

The University of Florida
Bachelors of Science in Mathematics 2010

TEACHING EXPERIENCE

University of South Florida
Instructor I 2017-Present

University of South Florida
Visiting Instructor 2016-2017
Course taught include : Business Calculus, Life Science Calculus, Precalculus and College Algebra.
Currently serving as a course coordinator for Business Calculus.
Responsibilities include curriculum development of the online homework, quizzes, and exams,
dissemination of the course materials, supervision and professional development of the
undergraduate peer leaders, as well as writing of the common final.

University of South Florida
Graduate Teaching Associate 2010-2016
Instructor of record for five semesters of Business Calculus and one semester of Precalculus (large
lectures approx 180 students). Courses assisted include College Algebra, Precalculus, Business
Calculus, Life Science Calculus, Engineering Calculus 3, and Bridge to Abstract Math. Assisted with
the professional development of undergraduate “peer leaders.” Assisted with tutoring in the USF
SMART lab.

RELATED EXPERIENCE

Florida Consortium of Metropolitan Research Universities
Co-Lead of Transfer Student NIC for the Helmsley Grant April 2017-Present
One of three co-leaders for a Network Improvement Community formed to investigate institutional
barriers that prevent the success of transfer students.

University of South Florida
Graduate Research Assistant Summer 2012 & 2013
Performed research under the direction of Prof. Xiang-dong Hou. Especially concerned with the
finding and classifying of permutation polynomials over finite fields

Undergraduate Journal of Mathematical Modeling
Math Advisor and Content Editor 2011 – 2012
Advised undergraduate students at the University of South Florida relating to the end of term
calculus projects. Edited and revised projects submitted to be published in the Undergraduate
Journal of Mathematical Modeling.

University Athletic Associate, University of Florida
Math Content Tutor 2009-2010
Tutored athletes at the University of Florida. Courses tutored include: Calculus I-III, Liberal Arts
Math, Introductory Statistics and Probability, Undergraduate Combinatorics, and Undergraduate
Complex Variables.

PUBLICATIONS

N. Fernando, X. Hou, S. D. Lappano, *{\it A new approach to permutation polynomials over finite fields, II}*, *Finite Fields Appl.* **{\bf 22}** (2013), 122 -- 158.

N. Fernando, X. Hou, S. D. Lappano, *{\it Permutation polynomials over finite fields involving $\sum_{i=0}^{a-1} x^{iq^i}$ }*, *Discrete Math.* **{\bf 315}** (2014), 173 -- 184.

X. Hou and S. D. Lappano, *{\it Determination of a type of permutation binomials over finite fields}*, *J. Number Theory* **147** (2015) 14 -- 23.

S. D. Lappano, *{\it A note regarding permutation binomials over \mathbb{F}_{q^2} }*, *Finite Fields Appl.* **{\bf 34}** (2015), 153 -- 160.

X. Hou, S. D. Lappano, and F. Lazebnik, *Proof of a conjecture on monomial graphs, submitted, arXiv:1507.05306*

CONFERENCE TALKS:

Determination of a type of permutation binomial over finite fields, Forty-Fifth Southeastern Conference on Combinatorics, Graph Theory, and Computing, (Boca Raton ,FL) March 2014

A family of permutation trinomials over \mathbb{F}_{q^2} , The 12th International Conference on Finite Fields and Their Applications (Skidmore, NY) July 2015

COMPUTER SKILLS

Basic Knowledge: Microsoft Office (Word, Excel, PowerPoint), LaTeX, Mathematica, Webassign, MyLabsPlus

INTERESTS AND ACTIVITIES

Mathematics: Problems concerning polynomials over finite fields, functions fields over finite fields, mathematics education

Athletics: Tennis, Golf, and Basketball

REFERENCES

Professor Xiang-dong Hou, University of South Florida, xhou@usf.edu

Professor Stephen Suen, University of South Florida, ssuen@usf.edu

Professor Leslaw Skrzypek, University of South Florida, skrzypek@usf.edu

Professor Marcus McWaters, University of South Florida, mmm@usf.edu