

John P. Coleman

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EDUCATION

Ph.D. in Mathematics with a concentration in Universal Algebra from the University of Colorado at Boulder , December 1992.

B.S. in Mathematical Sciences from Kent State University, May 1986.

THESIS ADVISOR

Professor Walter Taylor.

THESIS

“Topologies on Free Algebras.”

ACADEMIC AWARDS AND SERVICE

Franciscan University, faculty representative to student math club, 8/02 to present.

Franciscan University, Faculty Standards Committee, 8/02 to present.

Franciscan University, Academic Standards Committee, 8/01 to 5/02.

Franciscan University, Chairman of Math and Computer Science Department, 8/99 to 8/01.

East Central University, Honors Board, 8/94 to 5/98. Faculty committee charged with overseeing undergraduate honors program.

University of Colorado Graduate Fellowship, 8/86 to 5/88.

Pi Mu Epsilon Award, Kent State University, 1986. Award to graduating math major with the highest GPA

EMPLOYMENT

Franciscan University, 8/98 to present. Assistant Professor of Mathematics. Taught over 20 distinct courses in both mathematics and computer science, including special topics courses in cryptography, fuzzy logic, bioinformatics, and genetic algorithms. Served as department chair from 1999 to 2001 and again from 2011 to the present.

East Central University, Oklahoma, 8/93 to 5/98. Assistant Professor of Mathematics. Taught a broad range of undergraduate mathematics courses.
Eisenhower Teacher Institute, summers of 1994 and 1995. Instructor in program intended to help mathematics teachers to better teach critical thinking skills in problem-solving. Held at East Central University and funded through Oklahoma State Regents for Higher Education.

University of Colorado, 8/86 to 12/92. With the exception of 1 semester was constantly either a teaching assistant, instructor or tutor in various undergraduate math courses or university tutoring programs.

PUBLICATIONS

“Separation in topological algebras,” *Algebra Universalis*, 35 (1996) 72-84.

“Topological equivalents to n -permutability,” *Algebra Universalis*, 38 (1997) 200-209.

“On weaker notions of scattered,” *Questions and Answers in General Topology*, 16 (1998) 11-15.

“Non-expansive algebras,” *Algebra Universalis* 55 (2006) 479 -494.

“Walter Taylor’s contributions to Universal Algebra,” *Algebra Universalis* 55 (2006) 113 – 117 . Coauthored with Jennifer Hyndman.

“Quasi-Cauchy Sequences,” *The American Mathematical Monthly*, 117 No. 4 (2010). Coauthored with David Burton.

“Genetic and pharmacological manipulations that alter metabolism suppress seizure-like activity in *Drosophila*,” *Brain Res.* 1496 (2013). Coauthored with B. Stone, L. Evans and D. Kuebler (who was the principal author).

PROFESSIONAL ACTIVITIES

Attended – Lattice Theory Conference, Darmstadt Germany, 1991
Presented paper “Metric Topologies on Free Lattices.”

Attended – NATO Seminar on Algebras and Orders, Montreal, 1991.
Took notes for series of lectures given by Walter Taylor and later expanded these notes for publication in official conference proceedings.

Attended – Spring Topology Conference, Auburn University, 1994.
Presented paper “When does T_0 imply T_1 ?”

Attended – Spring Topology Conference, University of Delaware, 1995.
Presented paper “Swierczkowski metrics and Steiner trees.”

Attended – Mathematical Association of America Sectional Meeting, University of Central Oklahoma, 1997. Presented paper “When do scattered sets comprise an ideal.”

Attended – Algebras, Lattices, Varieties: A Conference in Honor of Walter Taylor, Colorado, August 15-18, 2004. Gave talk on “Topological Algebras in Congruence Permutable Varieties.”

Attended – MAA MathFest, Pittsburgh Pa, 2010.
Presented paper “How rare is independence?”

Attended -- MAA Fall Ohio Section Meeting, Cleveland Ohio, 2013.
Presented paper “Pairwise vs. Mutual Independence .”