Dennis Hall

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Education

2014 **PhD Mathematics**, *Louisiana State University*, Baton Rouge, LA.
Advisor: James Oxley, Dissertation Topic: Matroids and k-polymatroids

2010 **MS Mathematics**, *Louisiana State University*, Baton Rouge, LA.

2008 **BS Mathematics**, *University of Montevallo*, Montevallo, AL.
Minor in Management Information Systems, summa cum laude, senior elite

Publications

A Characterization of Tangle Matroids, *Ann. Comb. 19 (2015), 125–130.*

Essential Elements in Connected k-polymatroids, *Adv. in Appl. Math. 50 (2013), 281–291.*

Research Interests

Matroid Theory, Polymatroid Theory, Graph Theory, Combinatorics.

Teaching Experience

Angelo State University, Fall 2016 – present

MATH 4391, *Research Course.*

MATH 4351, *Topology.*

MATH 3333, *Calculus III.*

MATH 3301, *Linear Algebra.*

MATH 3300, *Introduction to Abstract Mathematics.*

MATH 2313, *Calculus I.*

MATH 1332, *Introduction to Contemporary Mathematics.*

MATH 1324, *Finite Mathematics.*

MATH 1314, *College Algebra.*

SC Governor's School for Science and Mathematics, Fall 2014 – Spring 2016

MATE 302, *Calculus for Engineers IV.*

MATE 301, *Calculus for Engineers III.*

MATE 202, *Calculus for Engineers II.*

MATE 201, *Calculus for Engineers I.*

MATE 102, *Pre-Calculus for Engineers II.*

MATE 101, *Pre-Calculus for Engineers I.*

Florence-Darlington Technical College, Summer 2015 – Spring 2016

MAT 140, *Analytical Geometry & Calculus I.*

MAT 110, *College Algebra.*