CURRICULUM VITAE

KAREN M. VILLARREAL

Home Address:
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Education:
   Ph.D., Tulane University, 1991
   Field of Concentration: Topology (Continua Theory)
   Adviser: Professor James Rogers

   Dissertation:
   Fibered products of homogeneous continua

   The main result of my dissertation is a description of some new two-dimensional homogeneous continua.

 M.S., Texas A&M University, 1983, Mathematics

 B.S., Loyola University, 1980, Mathematics and Secondary
    Education

Research/Scholarly Activities:

Publications:
   1) *Concerning the mutually aposyndetic decomposition of products of homogeneous continua*, submitted to Topology Proceedings

   2) *Another class of continua which are factorwise rigid*, Topology Proceedings, 38 (2011)

3) *Fibered products of homogeneous continua*, Trans. Amer. Math. Soc., 338 (1993)

4) *Some new two dimensional homogeneous continua*, Topology Proceedings, 15 (1992)

5) *The space Obtained by spinning the Menger curve about infinitely many of its holes is not homogeneous*, Topology Proceedings, 16 (1993)

Papers presented:

1) *Another class of continua which are factorwise rigid,* Spring Topology Conference, Starkville, Mississippi, March 2010

2) *Elements of a mutually aposyndetic decomposition* , Louisiana/ Mississippi Section Meeting of the MAA, Lake Charles, LA, March, 2008

3) *Fibered products and continuous decompositions*, Louisiana/ Mississippi Section Meeting of the MAA, Starkville, MS, March, 2007

4) *Fibered products of homogeneous continua*, The Continua Theory and Dynamical Systems Conference at USL, May, 1991

5) *Some new homogeneous continua*, Spring Topology Conference, Columbia, South Carolina, March 1993

6) *The space obtained by spinning the Menger curve about infinitely many of its holes is not homogeneous*, Spring Topology Conference, Auburn, Alabama, March 1994

Academic Experience:
  Louisiana State University at Alexandria
  8/04-5/10 (assistant professor)

  Xavier University of Louisiana

7/01-5/04 (assistant professor)

University of New Orleans
8/95-8/01 (instructor)

Loyola University, New Orleans
8/91-8/95 (assistant professor, Director of Basic Skills Program)

University of New Orleans
8/84-8/86 (instructor)

Tulane University
9/86-5/91 (graduate assistant)

Texas A&M University
1/81-5/82 (graduate assistant)

Courses Taught:
I have taught mathematics courses at all levels. I have taught courses in the calculus sequence successfully at every university where I have worked. I have also taught developmental courses, pre-calculus, statistics, liberal arts mathematics, and upper-level theory courses, and a graduate course for a Master of Science in Teaching degree. The upper-level theory courses I have taught are Complex Variables, Geometry, Abstract Algebra, and Advanced Calculus. I have taught a sophomore course aimed at teaching math majors to do proofs, and I have taught an online Trigonometry course.

Director of Basic Skills Program, Loyola University:
As Director of the Basic Skills Program, I was in charge of the Mathematics Center, although there was a half-time employee who supervised the Center on a day to day basis. I hired the tutors, evaluated the half-time employee, and ordered supplies and software for the center. I also conducted the math placement test, wrote the final exams for the developmental courses, coordinated the developmental courses, and wrote the Annual Report and Budget Request for the Basic Skills Program.

Service to the university:

I have served on numerous departmental and university committees, and I was the secretary of one university-wide committee. I have represented my department on the Faculty Senate at LSUA for 5 years. I was an advisor to math majors at LSUA.

Professional Associations:

Member, American Mathematical Society