

Curriculum Vitae

General information

Name: *Francisco Ávila*
City: *El Paso, TX 79912*
Office Phone: *915-747-8752*
E-mail: favila2@utep.edu

Professional Preparation

- New Mexico State University
Doctor of Philosophy, 2017
Mathematics
- University of Texas at El Paso
Master's Degree, 2005
Mathematics
- Autonomous University of Ciudad Juarez (Mexico)
Bachelor's Degree, 1998
Mathematics Education

Professional Experience

- University of Texas at El Paso
Position: Lecturer
August 2006 - Present
- Czech Technical University in Prague
Position: Research Assistant
June 2005 - August 2005
- University of Texas at El Paso
Position: Teaching Assistant
August 2003 - May 2005
- Technology Institute of Ciudad Juarez
Position: Lecturer
August 2001 - July 2003

Publications

- E. López, L. Loeza, F. Ávila, A New Approach to Find the Solution of Systems of Differential Equations, Proceedings of the Second International Congress of Engineering and Technology (2009), ISBN13 978-0-615-31650-5
- P. Šolín, T. Vejchodský, M. Zítka, F. Ávila, Imposing Orthogonality to Hierarchic Higher-Order Finite Elements, Mathematics and Computers in Simulation (2007), doi:10.1016/j.matcom.2007.01.025

Honors and Awards

- Honors Graduate
New Mexico State University
May 2017
- Outstanding Master in Mathematics
University of Texas at El Paso
May 2005
- Outstanding Master in Mathematics Education
University of Ciudad Juarez
December 2004
- Outstanding Senior in Mathematics Education
University of Ciudad Juarez
June 1998

Scientific Interests

- Lattice and Ordered Algebraic Structures, Frames and Locales, Pointfree Topology, Real and Complex Analysis, Functional Analysis, Partial Differential Equations (PDEs), Computational Mathematics.
- Problem-Based Learning in Mathematics, Constructivism in Mathematics Education, Strategic Use of Technology in Teaching and Learning Mathematics.