

Abiti Adili

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Education

- 2013–2019 **Ph.D. in Mathematics (anticipated)**, *Louisiana State University*.
Advisor: Robert Lipton
- 2011–2013 **M.S. in Mathematical Sciences**, *New Mexico Tech*.
Advisor: Bixiang Wang
- 1993–1998 **B.S. in Mathematics**, *Xinjiang Normal University, China*.

Employment History

- 2018–2019 **Graduate Research Assistant**, *Louisiana State University*.
- 2013–2018 **Graduate Teaching Assistant**, *Louisiana State University*.
- 2011–2013 **Graduate Teaching Assistant**, *New Mexico Tech*.
Advisor: Bixiang Wang
- 2001–2011 **Mathematics Instructor and English Teacher**, *Urumqi, China*.
- 1998–2001 **Lecturer**, *Mathematics Department, Hotan Teachers Colege, Hotan, China*.

Research Interests

General Partial Differential Equations, Mathematical Material Science
Specific Optical Metamaterials, Multiscale Analysis, Optimal Design

Research Papers

- 1 Abiti Adili, Bixiang Wang, *Random attractors for non-autonomous stochastic FitzHugh-Nagumo systems with multiplicative noise*, *Continuous and Discrete Dynamical Systems, Supplement* (2013), 1-10
- 2 Abiti Adili, Bixiang Wang, *Random attractors for non-autonomous stochastic FitzHugh-Nagumo systems driven by deterministic non-autonomous force*, *Continuous and Discrete Dynamical Systems Series B*, 18 (2013), 643-666
- 3 Abiti Adili, Robert Lipton, *Design of Metamaterials For Optics*, in preparation

Talks

- 2013 **Pullback random attractor for the FitzHugh-Nagumo system on unbounded domains**, MAA Southwest Section Joint Meeting, *Socorro, NM*.
- 2012 **Pullback random attractor for the FitzHugh-Nagumo system on unbounded domains**, The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications, *Orlando, FL*.

Awards, Honors, and Distinctions

- 2018-2019 **Research Assistant**, *Louisiana State University*.
- 2018 **Spring - Certificate of Teaching Excellence**, *Louisiana State University*.
- 2016 **Spring - David Oxley Graduate Student Teaching Award**, *Louisiana State University*.
- 2015 **Fall - Certificate of Teaching Excellence**, *Louisiana State University*.
- 2013-2017 **Graduate School Enrichment Grant**, *Louisiana State University*.
- 2012 **GSA Travel Grant**, *New Mexico Tech*.

Conferences and Workshops Attended

- 2018 **SIAM TX-LA Sectional Meeting**, *Mathematics Department, LSU*.
Finite Element Rodeo, *Center For Computation & Technology, LSU*.
- 2013 **Stochastic Modeling of Biological Processes**, *Infinite Dimensional and Stochastic Dynamical Systems and Their Applications*, IMA, Minneapolis, MN.
MAA Southwest Section Joint Meeting, *Socorro, NM*.
- 2012 **The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications**, *Orlando, FL*.
Random Dynamical Systems, *Infinite Dimensional and Stochastic Dynamical Systems and Their Applications*, IMA, Minneapolis, MN.

Teaching

In courses marked with †, I was the instructor of record and had sole responsibility for preparing and presenting all lectures, for writing and grading the tests, and for assigning course grades.

Louisiana State University

- Summer 2018 **Calculus I** †.
- Spring 2018 **Calculus II** †.
- Fall 2017 **Calculus I** †.
- Summer 2017 **Calculus I** †.

- Spring 2017 **Plane Trigonometry**, *R2R Format* , Combination Of Teacher-Directed Classroom And Student-Centered Learning Lab .
- Fall 2016 **College Algebra**, *R2R Format*, Combination Of Teacher-Directed Classroom And Student-Centered Learning Lab.
- Summer 2016 **Calculus II**†.
- Spring 2016 **Calculus II**†.
- Fall 2015 **Calculus I**†.
- Summer 2015 **Introduction To Contemporary Mathematics** †.
- Spring 2015 **Lab Instructor, Calculus I.**
- Fall 2014 **Lab Instructor, Calculus I.**
- Spring 2014 **Lab Instructor & Grader.**
- [New Mexico Tech](#)
- 2013 **College Algebra**†.
- 2012 **Trigonometry**†.
- Lab Instructor, Calculus I.**
- 2011 **Lab Instructor, Calculus I.**

References

- Robert Lipton, LSU (Advisor) ○ lipton@math.lsu.edu
- James Oxley, LSU (Teaching) ○ oxley@math.lsu.edu
- Stephen Shipman, LSU ○ shipman@math.lsu.edu
- Shawn Walker, LSU ○ walker@math.lsu.edu