Andre P. Oliveira

Contact Information

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Education

Ph.D. student in Mathematics, Wesleyan University, August 2015 – present.
Advisor: Felipe A. Ramírez.

B.A. in Mathematics, B.A. in Computer Science, Manhattan College, August 2011 – May 2015.

Publications

(joint w. A. Calderon, S. Coles, D. Davis, and J. Lanier) *How to hear the shape of a billiard table*, prepint (in preparation)

(joint w. H. Tyler) *Measurement and comparison of passing networks in collegiate soccer*, Minnesota Journal of Undergraduate Mathematics, [S.l.], v. 1, n. 1, Dec. 2015.

Talks

Continued Fractions and Geodesics on the Modular Surface, Strength in Numbers, Queen's University, Canada, May 2018.

Dani's Correspondence and Schmidt Games, Topology et al. Seminar, Wesleyan University, March 2018.

Shedding light on Illumination, Graduate Student Seminar, Wesleyan University, September 2017.

A brief glance at Ergodic Theory, Graduate Student Seminar, Wesleyan University, February 2017.

A look at the $25,000,000,000 eigenvector, Graduate Student Seminar, Wesleyan University, October 2016.

Defensive Forwards and Offensive Backs: The 2013 Season of Manhattan College Women's Soccer, Joint Mathematics Meetings, San Antonio, January 2015.

Conferences Attended

Houston Summer School on Dynamical Systems, University of Houston, May 2018.
Strength in Numbers, Queen's University, Kingston, Canada, May 2018.
Upstate New York Number Theory Conference, University of Buffalo, April 2018.
Workshop on Dynamical Systems and Related Topics, University of Maryland, April 2018.
Graduate Student Conference in Algebra, Geometry, and Topology, Temple University, June 2017.
Upstate New York Number Theory Conference, Binghamton University, May 2017.
Joint Mathematics Meetings, Atlanta, GA, January 2017.
Joint Mathematics Meetings, San Antonio, TX, January 2015.

Teaching Experience

Instructor, Wesleyan University.

As the sole instructor I wrote lesson plans, created worksheets, and developed quizzes and exams for the following:

- Introductory Calculus II, Fall 2017
- Introductory Calculus I, Spring 2017

Graduate Teaching Assistant, Wesleyan University.

- Real Analysis, Spring 2018

  I held office hours and wrote homework solutions.
- Discrete Structures, Fall 2016

  I held office hours as well as graded homeworks and proofs.
- Math Workshop, Spring 2016

  I helped students understand lecture notes and homework assignments for varying math classes including: Abstract Algebra, Linear Algebra, Multivariable Calculus, and Probability.
- Introduction to Programming, Fall 2015

Services

Webmaster, Graduate Student Association (GSA), Wesleyan University, May 2017 – present.
Graduate Community Standards Board member, GSA, Wesleyan University, May 2017 – 2018.
President, AMS Local Chapter, Wesleyan University, August 2016 – present.

Computing Skills

Programming Languages: C, C++, Java, Javascript, PHP, Python.
Other: LaTeX, HTML5, CSS3, Markdown, SQL, NodeJS, MS Office, Maple, Linux, Windows, git, GitHub.