

Ramon M. Nunes

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Personal

Citizenship: Brazilian.

Date and Place of Birth: November 7 1990, Fortaleza, Brazil.

Education

Bachelor Degree in mathematics. March 2008 - July 2011. Universidade Federal do Ceará, Brazil.

Masters in mathematics. September 2011 - September 2012. Université Paris Sud - Orsay, France

Ph.D. in mathematics under the guidance of Prof. Étienne Fouvry - September 2012 - June 2015.
Université Paris Sud - Orsay, France

Interests

Number Theory.

Analytic Number Theory.

Modular forms.

Fellowships, Awards and Honors

Brazilian National Mathematics Olympiad - Gold medalist - 2006, 2007, 2008, 2009, 2010.

Brazilian National Physics Olympiad - Bronze Medal - 2007.

International Mathematical Olympiad (IMO) - Bronze Medal (Vietnam 2007).

Iberoamerican Mathematical Olympiad - Two Gold medals (Portugal 2007 and Brazil 2008).

IMPA Summer Fellowship - 2010.

CNPq "Initiation on Research" Undergraduate Fellowship, Brazil - April 2008 - July 2010.

CNPq Fellowship for Masters Degree in mathematics, Brazil - August 2010-August 2011.

FMJH Fellowship for Masters Degree in mathematics, France - September 2011-September 2012.

LabeX-LMH Fellowship for Ph.D. in mathematics, France - September 2012-September 2015.

Conferences Attended

Journées de doctorants en théorie analytique de nombres (Nancy, November 2012)
Fouvry 60 (Marseille, June 2013)
Prime numbers: new perspectives (Marseille, February 2014)
Number Theory and applications (Marseille, March 2014)
École d'été en théorie analytique de nombres (Orsay, 2014)
Analytic Aspects of Number Theory (Zurich, May 2015)
2nd Workshop on Combinatorics, Number Theory and Dynamical Systems (Rio de janeiro, August 2015)
EPFL/ETHZ Number Theory Days (Zurich, April 2016)
Geometric and Analytic Number Theory (Zurich, September 2016)
Analytic Number Theory (Oberwolfach, September 2016)
Conference Zeta Functions 6 (Moscow, December 2016)
A. A. Karatsuba's 80th Birthday Conference in Number Theory and Applications (Moscow, May 2017)
EPFL/ETHZ Number Theory Days (Lausanne, June 2016)
Journées Arithmétiques (Caen, July 2017)
Unibas/EPFL/ETHZ Number Theory Days (Basel, April 2016)
Perspectives on the Riemann hypothesis (Bristol, June 2018)
L-functions: Open Problems and Current Methods (Bonn, June 2018)

Invited Talks

Prime Numbers: New Perspectives (Marseille, February 2014)
Number Theory and Applications (Marseille, March 2014)
Rencontres de théorie analytiques et élémentaires des nombres (Paris, March 2014)
Séminaire de théorie des nombres (Clermont Ferrand, May 2015)
EPFL's Algebra and Number Theory Seminar (Lausanne, June 2015)
Séminaire de Théorie des Nombres de Nancy-Metz (Nancy, June 2015)
2nd Workshop on Combinatorics, Number Theory and Dynamical Systems (Rio de janeiro, August 2015)
Rencontres de théorie analytiques et élémentaires des nombres (Paris, June 2016)
Geometric and Analytic Number Theory (Zurich, September 2016)
Quebec-Vermont Number Theory Seminar (Montreal, November 2016)
Conference Zeta Functions 6 (Moscow, December 2016)

A. A. Karatsuba's 80th Birthday Conference in Number Theory and Applications (Moscow, May 2017)

Seminario da PGMAT-UFC (Fortaleza, December 2017)

Rencontres de théorie analytiques et élémentaires des nombres (Paris, March 2018)

Seminario di Teoria dei numeri (Genova, March 2018)

Articles and Preprints

1. *Equidistribution problems of squarefree numbers (thesis)*, Université Paris Sud (2015) <https://tel.archives-ouvertes.fr/tel-01201663>.
2. *Squarefree numbers in arithmetic progressions*, J. Number Theory, **153**, (2015) 1–36.
3. *On Bourgain's bound for short exponential sums and squarefree numbers*, Acta Arith., 172(2) (2016) 99-116.
4. *On the least squarefree number in an arithmetic progression*, Mathematika, 63 (2017), no 1, 483-498.
5. *Subconvexity for $GL(3)$ L -functions*, preprint, ArXiv:1703.04424.
6. *The twelfth moment of Dirichlet L -functions with smooth moduli*, preprint, ArXiv:1802.05180.

Not intended for publication:

On two conjectures concerning squarefree numbers in arithmetic progressions, preprint, ArXiv:1512.03648 (superseeded by the results in 4)

Squarefree numbers in large arithmetic progressions, preprint, ArXiv:1602.00311 (superseeded by the results in 4).

Professional Experience

Farias Brito High School - Fortaleza, Brazil.

2009-2010 - Lecturer - Math Olympiad Training.

OBMEP's Special Program for International Competitions (PECI)

2010 - Teaching Assistant - Math Olympiad Training.

Polytech Paris Sud - Orsay, France

2012-2015 - Teaching Assistant - several courses - undergraduate level.

EPFL - Lausanne, Switzerland

Fall 2015 - Teaching Assistant - Analysis - undergraduate level.

EPFL - Lausanne, Switzerland

Fall 2016 - Teaching Assistant - Geometry - undergraduate level.

EPFL - Lausanne, Switzerland

Spring 2017 - Teaching Assistant - Introduction to analytic number theory - undergraduate level.

EPFL - Lausanne, Switzerland

Spring 2018 - Main Teacher - Introduction to analytic number theory - undergraduate level.

Languages

Portuguese(Native), English(Good), French(Fluent), Spanish(Intermediate).

Last updated: July 25, 2018