ANASTASIOS STYLIANOU

Mathematics Institute, University of Warwick, Coventry CV4 7AL

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EDUCATION

University of Warwick   *October 2018 - Present*
Ph.D. student in Mathematics and Statistics.
Working under the supervision of Professor Richard Sharp and supported by departmental funding.

University of St Andrews   *September 2014 - June 2018*
MMath (Hons) Mathematics.   Overall Percentage: 96
Worked under the supervision of Professor Lars Olsen for a thesis entitled "Extremely non-normal numbers in dynamical systems". Awarded the Principals Scholarship for academic excellence, Deans List, prize for the best student in junior honours pure mathematics, medal for the top second year student in mathematics and a full blue award.

RESEARCH INTERESTS

I am (mainly) interested in Ergodic Theory, Dynamical Systems and Thermodynamic Formalism. Recently, I am working on asymptotic counting and equidistribution problems for holonomies of closed geodesics on hyperbolic manifolds.

PUBLICATIONS/PREPRINTS

On the Hausdorff and packing measures of typical compact metric spaces
Aequationes Mathematicae **92**, 709735, 2018 (with S. Jurina, N. Macgregor, A. Mitchell, L. Olsen).
A typical number is extremely non-normal
To appear in Unif. Distrib. Theory.
Statistics for multipliers of hyperbolic rational maps
To appear in Discrete Contin. Dyn. Syst. (with R. Sharp).
A local limit theorem for holonomies of closed geodesics on hyperbolic manifolds
(In preparation).

TALKS

Hausdorff and Packing Measures of Typical Compact Metric Spaces   *November 2017*
University of St Andrews, Analysis seminar.
Extremely non-normal Numbers in Dynamical Systems   *May 2018*
University de Lisboa, Dynamical Systems Spring School.
Fractal Dimensions of Typical Compact Metric Spaces   *December 2018*
University of Warwick, Warwick-Imperial Autumn Meeting.
A Local Limit Theorem for Hyperbolic Rational Maps   *February 2020*
University of Warwick, Postgraduate seminar.
Statistics for multipliers of Hyperbolic Rational Maps   *October 2020*
UK Ergodic Theory and Dynamical Systems,
Statistics for multipliers of Hyperbolic Rational Maps   *June 2021*
ComPlane: the next generation.

TEACHING EXPERIENCE

Teaching Assistant
Fractal Geometry, Metric Spaces, Dynamical Systems, Ergodic Theory, Metrics, Norms and Topologies, Analysis III and Multivariable Calculus.

Supervisor

Supervised 15 students on second year Analysis, Algebra and Multivariate Calculus.
Supervised 10 students on first year Analysis, Algebra and Differential Equations.

IMO Training Camp

Given preparation lectures on elementary Number Theory to the Cypriot team for the International Mathematical Olympiad.

EVENTS ATTENDED

LxDS Spring School	*May 2018*
University de Lisboa. (Lisbon, Portugal)	
British Mathematical Colloquium	*June 2018*
University of St Andrews. (St Andrews, UK)	
One Day Ergodic Theory Meeting	*June 2018*
University of St Andrews. (St Andrews, UK)	
Summer School in Dynamics (Introductory and Advanced)	*July 2018*
International Centre for Theoretical Physics. (Trieste, Italy)	
One Day Ergodic Theory Meeting	*November 2018*
Queen Mary University London. (London, UK)	
Warwick-Imperial Autumn Meeting	*December 2018*
University of Warwick. (Coventry, UK)	
Number Theory and Dynamics Conference	*March 2019*
Cambridge University. (Cambridge, UK)	
School on Smooth Ergodic Theory and Partially Hyperbolic Systems	*April 2019*
Loughborough University. (Loughborough, UK)	
One Day Ergodic Theory Meeting	*June 2019*
University of Birmingham. (Birmingham, UK)	
Thermodynamic Formalism: Modern Techniques in Smooth Ergodic Theory	*July 2019*
Centre International de Rencontres Mathématiques. (Marseille , France)	
Measurability, Ergodic Theory and Combinatorics	*July 2019*
University of Warwick. (Coventry, UK)	
Thermodynamic Formalism: Ergodic Theory and Geometry	*July 2019*
University of Warwick. (Coventry, UK)	
Dynamical Systems Summer School - Pure and Applied	*August 2019*
Bremen University. (Bremen, Germany)	
Summer School on Dynamical Systems	*August 2019*
École Polytechnique Fédérale de Lausanne, (Lausanne, Switzerland)	
One Day Ergodic Theory Meeting	*November 2019*
Queen Mary University London. (London, UK)	
Dynamical Systems, Statistical Properties and their Applications	*December 2019*
Centre International de Rencontres Mathématiques. (Marseille , France)	
Statistical aspects of geodesic flows in nonpositive curvature	*January 2020*
University of Warwick. (Coventry, UK)	
MIR@W day on Ergodicity: Six Different Viewpoints	*May 2020*
University of Warwick. (Online)	
One Day Ergodic Theory Meeting	*June 2020*
University of Warwick. (Online)	