

ANVARBEK ATAYEV

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RESEARCH INTERESTS

Dislocation dynamics, crystalline defects, elasticity theory, calculus of variations, mathematical physics.

EDUCATION

University of Warwick

Ph.D. Mathematics (2019-ongoing)

- *Thesis*: Discrete Dislocations and Grain Boundaries
- *Supervisor*: Dr. Florian Theil

MSc. Mathematics and Statistics, Distinction (2018-19)

- *Thesis*: Elastic Energy of Discrete Dislocations in the Continuum Limit
- *Supervisor*: Dr. Florian Theil

University of Bath

MMath. Mathematics, First-class Honours (2014-18)

- *Thesis*: Equilibrium Measures for Nonlocal and Anisotropic Logarithmic Potentials
- *Supervisor*: Dr. Lucia Scardia
- Highest thesis grade in cohort

SCIENTIFIC RESEARCH & PROJECT EXPERIENCE

University of Bath, *Undergraduate Researcher* (2016-17)

Supervisor: Prof. Jonathan Dawes

Project I: Thermal Convection in Non-Newtonian Fluids

Project II: Pattern Formation in the Development of Daisies

Selex ES, EDT Programme, *Team Leader* (2012-13)

Project: Parallax Sensor Testing

TEACHING

University of Warwick

Teaching Assistant

- Complex Analysis (Spring 2020)
- Analysis III (Autumn 2019)

Supervisor: for 2nd year undergraduate mathematicians (Autumn 2019)

University of Bath

Teaching Assistant

- Introduction to Analysis II (Spring 2018)
- Introduction to Analysis I (Autumn 2017)
- Linear Algebra (Spring 2017)
- Abstract Algebra and Group Theory (Autumn 2016)

Drop in Tutor: for 1st year undergraduate mathematicians (2015-18)

TECHNICAL STRENGTHS

Computer Languages	C++, Python, MATLAB, Maple, R
Software & Tools	LaTeX, Excel, GeoGebra
Languages	English (<i>Native</i>), Russian (<i>Conversational</i>), Uzbek (<i>Basic</i>)

TALKS, POSTER PRESENTATIONS & BLOG POSTS

- Talk: *LDP for Purely Laplacian Modles*, MASDOC Retreat (2019)
- Poster: *LDP for Purely Laplacian Models*, MASDOC Retreat (2019)
- Talk: *Pattern Formation in Fluids* at the Undergraduate Seminar Series (2017)
- Poster Presentation at SciCADE International Conference, University of Bath (2017)
- IMI Blog Post endorsing the IMI Undergraduate Research Internship (2016)

AWARDS & ACCOMPLISHMENTS

- EPSRC Doctoral Studentship, MASDOC, University of Warwick (2018-22)
- Obtained the highest mark in my cohort for the MMath thesis, University of Bath (2018)
- Co-founder of the Undergraduate Seminar Series, University of Bath (2017)
- IMA Small Grant Scheme - £600 (2017)
- Bath IMI Undergraduate Research Award - £1400 (2017)
- LMS Undergraduate Research Funding Award - £720 (2016)
- Bath IMI Undergraduate Research Award - £1280 (2016)
- Doreen McDonald Prize for Mathematics, SHSG (2015)
- EES Gold Award, awarded by EDT (2013)
- Mathematics UKMT Award (2013)
- Duke of Edinburgh Silver Award (2011)

WORKSHOPS, CONFERENCES & SUMMER SCHOOLS

- 162nd European Study Group in Industry (ESGI), University of Leeds (2020)
- 6th Applied Mathematics Symposium, University of Münster (2019)
- MASDOC Annual Retreat, Borth (2019)
- SAMBa Conference, University of Bath (2018)
- SciCADE International Conference, University of Bath (2017)
- LMS Prospects in Mathematics Workshop, University of Reading (2017)
- LMS Summer School, University of Kent (2016)
- EDT Engineering Workshop Visit, University of Cambridge (2013)

MEMBERSHIPS

- LMS Associate Member (Since 2016)
- IMA Student Member (Since 2017)
- SIAM Undergraduate Memeber (Since 2017)
- SIAM-IMA Student Chapter Member (Since 2017)