

Ruoyu P. T. Wang

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Research Interests

At first stage of career, my current research interests lie in analysis, mainly a) analysis of partial differential equations, in proximity to b) spectral theory, c) differential geometry, d) mathematical physics.

Education

- **University of Cambridge** Cambridge, UK
M.A.St. Part III in Pure Mathematics 2016 – exp. 2017
- **University College London** London, UK
B.Sc. Mathematics, first-class honour, ranked 1/200 2013 – 2016
- **Nanjing Foreign Language School** Nanjing, P.R. China
High School Graduate 2007 – 2013

Research Experience

- **University College London** London, UK
Summer Research Student February 2016 – present
– Topic: 'Maxwell's Equations on Rigid Boundaries'. Supervisor: I. Kamotski.
- **University College London** London, UK
Summer Research Student June 2015 – December 2015
– Topic: 'Spectral Problems on 3-tori'. Supervisor: D. Vassiliev.

Prizes and Scholarships

- **Wynne-Roberts Prize** London, UK
Department of Mathematics, University College London 2016
- **IMA Undergraduate Prize** London, UK
Institute of Mathematics and its Applications & University College London 2016
- **Bosanquet Prize** London, UK
Department of Mathematics, University College London 2015
- **Departmental Summer Student Scholarship** London, UK
Department of Mathematics, University College London 2015
- **Fifth Departmental Undergraduate Prize in Mathematics** London, UK
Department of Mathematics, University College London 2014

Talks and Presentations

'Theory of Distributions and Linear Differential Equations', Tomorrow's Mathematicians Today. University of Greenwich, London, UK. February 13, 2016.

'Spectral Problems on 3-tori', Winter Enrichment Program. King Abdullah University of Science & Technology, Saudi Arabia. January 17 – 23, 2016.

Research Skills

Programming: Python (NumPy, SymPy), C++, Mathematica, MATLAB.

Mathematical Writing: \LaTeX with packages beamer and TikZ.

Language: Mandarin and basic German.

Reference

Professor R. Halburd.

Department of Mathematics, University College London, Gower Street, LONDON WC1E 6BT.

Dr. I. Kamotski.

Department of Mathematics, University College London, Gower Street, LONDON WC1E 6BT.

Professor D. Vassiliev.

Department of Mathematics, University College London, Gower Street, LONDON WC1E 6BT.