Ruoyu P. T. Wang

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Research Interests

At first stage of career, my current research interests lie in analysis of partial differential equations, from the spectral-theoretical viewpoints.

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 Honours , 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** — 2016
  Department of Mathematics, University College London
- **IMA Graduate Prize** — 2016
  Institute of Mathematics and its Applications & University College London
- **Bosanquet Prize** — 2015
  Department of Mathematics, University College London
- **Departmental Summer Student Scholarship** — 2015
  Department of Mathematics, University College London
- **Fifth Departmental Undergraduate Prize** — 2014
  Department of Mathematics, University College London

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.