Ruoyu P. T. Wang
Department of Mathematics, 25 Gordon Street
London WC1E 6BT, UK

Tel: +44 (0) 745 666 6262
Email: `r.wang.13@ucl.ac.uk`
Web: `http://www.homepages.ucl.ac.uk/~zcahrwa`

Research Interests

My research interests lie in analysis of partial differential equations and spectral theory. I am also interested in problems from differential geometry and mathematical physics.

Education

- **University of Cambridge** — Cambridge, UK
  M.A.St. 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

- **Department of Mathematics, University College London** — London, UK
  Summer Research Student — *February 2016 – present*
  - Topic: *'Trapped Modes of Maxwell's Equations'*. Supervisor: I. Kamotski.
- **Department of Mathematics, 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
- **Dean's List (5%)** — 2016
  Faculty of Mathematical and Physical Sciences, 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

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

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

Last Updated: August 30, 2016