

# Nick Rome

University of Bristol  
School of Mathematics  
Fry Building, Bristol, BS8 1TH, UK

[nick.rome@bristol.ac.uk](mailto:nick.rome@bristol.ac.uk)  
[people.maths.bris.ac.uk/~nr16985](http://people.maths.bris.ac.uk/~nr16985)  
Last Updated: May 8, 2020

---

## EMPLOYMENT

2019 – 2020 Pre-Doctoral Visiting Research Scientist, IST Austria.

## EDUCATION

- 2020 Ph.D. Mathematics, University of Bristol (advisor: Tim Browning)  
2016 M.A.St. Pure Mathematics, Cambridge University  
*Essay: Bounded intervals containing primes, supervised by Adam Harper*  
2015 B.Sc. Mathematics, Imperial College London

## PUBLICATIONS/PRE-PRINTS

1. The Hasse Norm Principle for Biquadratic Extensions.  
*Journal de Théorie des Nombres de Bordeaux* **30** (2018), no. 3, 947–964.
2. A Positive Proportion of Hasse Principle Failures in a Family of Châtelet Surfaces.  
*International Journal of Number Theory* **15** (2019), no. 6, 1237–1249.
3. Fields of definition of rational curves of a given degree (with David Holmes).  
Accepted, *Journal de Théorie des Nombres de Bordeaux*. arXiv:1901.11294.
4. On the diffraction measure of  $k$ -free integers (with Efthymios Sofos).  
Submitted, arXiv:1907.04845.

## CONFERENCE TALKS

- ÖMG Annual Meeting 2019,  
*Dornbirn, Austria, 16 - 21 September 2019.*
- Where Geometry Meets Number Theory,  
*University of Gothenburg, Sweden, 17 - 19 July 2017.*
- Journées Arithmétiques,  
*University of Caen, France, 1 - 5 July 2017.*

## SEMINAR TALKS

- Universiteit Utrecht, Number theory seminar, January 2020.
- University of Reading, Pure maths seminar, 4 October 2019.
- Institut Henri Poincaré, Paris, Seminar Jeune, 20 June 2019.
- University of Bristol, MATRIX society talk, 18 February 2019.
- University of Bristol, Linfoot Seminar, 28 September 2018.
- MPIM Bonn, PLeaSANT seminar, 12 September 2018.

## TEACHING

- IST AUSTRIA**, Teaching Assistant
- Fall 1 2019 Linear Algebra for Life Scientists
- Fall 2 2019 Analytic Number Theory
- UNIVERSITY OF BRISTOL**, Recitations
- 2017 Foundations and Proof (2 groups)
- Introduction to Group Theory (2 groups)
- Analysis I (2 groups)
- Analysis II (2 groups)
- UNIVERSITY OF BRISTOL**, Teaching Assistant
- Fall 2016 Galois Theory

## AWARDS

- 2017 1st place, Poster Competition, Young Researchers in Mathematics.
- 2015 Ken Allen Prize For Academic Excellence, Imperial College London.

## SELECTED CONFERENCES ATTENDED

- Topics in Rational and Integral Points,  
*Basel, Switzerland, 2 - 13 September 2019.*
- Symposium on Analytic Number Theory,  
*Calabria, Italy, 8 - 12 July 2019.*
- Rational points on irrational varieties,  
*IHP, France, 24 - 28 June 2019.*
- Rational points on Fano and similar varieties,  
*IHP, France, 20 - 24 May 2019.*
- Perspectives on the Riemann Hypothesis,  
*University of Bristol, 4 - 7 June 2018.*
- Rational and Integral Points via Analytic and Geometric Methods,  
*Oaxaca, Mexico, 27 May - 1 June 2018.*
- Recent Developments in Analytic Number Theory Workshop,  
*MSRI, UC Berkeley, 1 - 5 May 2017.*