



ALEXANDER G. M. PAULIN

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Department of Mathematics
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University of California, Berkeley

EDUCATION

PH.D. MATHEMATICS

Imperial College London, UK, 2004 - 2008

VISITING SCHOLAR

Harvard University, USA, Jan. - June 2006, Host: Barry Mazur

CERTIFICATE OF ADVANCED STUDY IN MATHEMATICS (PART III)

Cambridge University, UK, 2003 - 2004

B.A. MATHEMATICS

Cambridge University, UK, 2000 - 2003

EMPLOYMENT

LECTURER OF MATHEMATICS, UC BERKELEY

2014 - Present

LECTURER OF NUMBER THEORY, KING'S COLLEGE LONDON

2012 - 2014

LECTURER OF MATHEMATICS, UNIVERSITY OF NOTTINGHAM

2011 - 2012

MORREY ASSISTANT PROFESSOR, UC BERKELEY

2008 - 2011

GRANTS AND AWARDS

NSF AWARD: ID 0901603 (JOINT WITH ROBERT COLEMAN)

2009 - 2011

EPSRC STUDENTSHIP, IMPERIAL COLLEGE LONDON

2004 - 2008

LMS CECIL KING TRAVEL SCHOLARSHIP

2006

PUBLICATIONS

LOCAL TO GLOBAL COMPATIBILITY ON THE EIGENCURVE

Proc. London Math. Soc. (2011) 103 (3): 405-440.

GEOMETRIC LEVEL RAISING AND LOWERING ON THE EIGENCURVE

Manuscripta Mathematica (9 June 2011), pp 1-29.

TEACHING

UC BERKELEY

Calculus 1A (Fall 2016)
Calculus 1B (Fall 2014, Spring 2016)
Calculus 16A (Fall 2015)
Calculus 16B (Spring 2015, Spring 2017)
Multivariable Calculus 53 (Spring 2010)
Linear Algebra 54 (Fall 2008)
Abstract Algebra 113 (Four semesters 2009 - 2011)
Graduate Number Theory (Fall 2009, Spring 2011)

Supervisor of independent study reading groups in elliptic curves, automorphic representations, smooth representations of p -adic reductive groups, commutative algebra and higher category theory.

Supervisor of four senior undergraduate theses on the topics of derived categories, Lie groups and Lie algebras, differential geometry and the étale fundamental group.

KINGS COLLEGE LONDON

Linear Algebra (Fall 2012, Fall 2013)
Rings and Modules (Fall 2012, Fall 2013)

UNIVERSITY OF NOTTINGHAM

Linear Algebra (Spring 2012)
Foundations of Mathematics (Spring 2012)
Geometric Aspects of the Langlands Program (Fall 2011)

SERVICE AND PERSONAL DEVELOPMENT

Lecturer Teaching Fellow, UC Berkeley, 2016 - 2017 cohort.

McNair scholar supervisor, UC Berkeley, 2014.

Cal day speaker, UC Berkeley, 2015 - 2017.

IDEAL (The Initiative for Diversity in Education and Leadership) scholar supervisor, UC Berkeley, 2009.

Equality and Diversity committee, King's College London, 2013 - 2014.

Advisor and guest speaker, developing the King's College Mathematics School, 2013-2014

Referee, International Mathematical Research Notices and Mathematical Research Letters.