Curriculum Vitae

Andrew Graeme Dolphin
Universität Konstanz,
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Date of Birth
21st September 1982.

Education

- Ph.D. in Mathematics, Awarded July 2009
  Attended September 2005 - December 2008
  University of Nottingham, Nottingham, UK

- MMath in Mathematics, First Class, Awarded June 2005
  Attended September 2001 - June 2005
  University of Durham, Durham, UK

- A-Levels, Double Mathematics, AA, Physics, B, Chemistry, B, General
  Studies A Canon Slade Sixth Form, Bolton U.K.

Research

December 2008 - present: Universität Konstanz, Germany
Post-Doctoral Researcher with Dr. K.J. Becher's project Quadratic Forms
and Invariants

June-July 2008: University College Dublin, Ireland
Pre-Doctoral Researcher with Dr. K. Hutchinson's project K-theory, Quadratic
Forms, and Central Simple Algebras.

2005 - 2008: University of Nottingham, UK
EPSRC PhD studentship with Prof. D. W. Hoffmann on the project Differential forms and p-forms.

Publications and Thesis

- *Metabolic Involutions*. Journal of algebra, to appear. Available as pre-submission preprint here http://www.math.uni-bielefeld.de/LAG/man/402.html

- *Bilinear and differential forms over function field extensions* with Detlev Hoffmann. (in progress)

- *Bilinear and differential forms over function field extensions* - Doctoral Thesis. University of Nottingham, UK. Defended 28/11/08. Supervisor: Prof. Detlev Hoffmann.

Invited Talks

- "Decomposition of algebras with involutions in Characteristic 2"
  Ramification in Algebra and Geometry, Emory, USA, 2011

- "Algebras with involutions in Characteristic 2"
  Number theory seminar, l'Université de Lausanne, France, 2011

- "Isotropic Involutions in Characteristic 2"
  K-theory and Quadratic forms seminar, UCD, Ireland, 2010

- "Differential Forms and Function Fields"
  Séminaire d'alègbre , Lens, France 2009

- "Bilinear Forms and Differential forms over fields of Characteristic 2"
  Kolloquium im Reelle Geometrie und Algebra, Konstanz, Germany 2009

- "Bilinear Forms in Characteristic 2 under Simple Extensions"
  International Conference on The Algebraic and Arithmetic Theory of Quadratic Forms, Chile 2007

Referees

- **Prof. Detlev Hoffmann**,
  Professor, Head of the Division of Pure Mathematics
  Relationship to Applicant: Thesis Supervisor

  School of Mathematical Sciences,
  University of Nottingham,
  University Park,
  Nottingham, NG7 2RD,
  UK.

  Tel: +44 (0) 115 84 67142
  Fax: +44 (0) 115 951 4951
  Email: detlev.hoffmann@nottingham.ac.uk

- **Dr Karim Johannes Becher**,
  Project Leader, Assistant to Prof. Claus Scheiderer
  Relationship to Applicant: Postdoctoral Supervisor

  Universität Konstanz,
  Fachbereich Mathematik und Statistik, D203

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Germany.

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Email: `karim.johannes.becher@uni-konstanz.de`

Conferences and Workshops

- Mini Course 2010: Patching, Involutions and Buildings, Lens, France, 2010

- Positivity, Valutations, and Quadratic Forms, Konstanz, Germany, 2009

- Quadratic Forms and Linear Algebraic Groups, Oberwolfach, Germany, 2009

- Quadratic Forms, Algebraic Groups, Algebraic Cobordism and related topics, Nottingham, UK 2008

- International Conference on The Algebraic and Arithmetic Theory of Quadratic Forms, Chile 2007

- Mini Course 2008: Essential dimension and Canonical dimension, Lens, France, 2008

- LMS Workshop on Motives Quadratic Forms and Algebraic Groups, Belfast 2007

- Mini Course 2007: Quadratic Forms, Triangulated Categories and Valuations, Lens, France, 2007

- Mini Course 2006: Quadratic Forms, Lens, France, 2006

- Quadratic Forms, Linear Algebraic Groups, and related topics, Nottingham, UK 2005

Teaching

- Universität Konstanz, Germany

  Winter 2010-2011
  Algebra, organisation of problems class, preparing problem sheets and solution sheets.

  Summer 2010
  Organization of Proseminar, "Algebra and Coding Theory".

Summer 2009
Algebra and Galois theory, preparing problems sheets.
Winter 2008-2009
Theorie der quadratischen Formen, teaching problems classes and marking.

- University of Nottingham, UK

  2006/07
  Problems classes, 2 per semester
  Foundations of Pure mathematics, Mathematical Structures, Introduction to Number Theory and Elementary Number Theory.

  2005/06
  Mathematical Structures
  Mathematical Structures, Foundations of Pure Mathematics, Mathematical Analysis, and Elementary Number theory, two courses per summester, problems class teaching and marking.

Awards
EPSRC PhD research grant 2005-2008

Honours

- Group-leader, Nottingham Improvisation Troupe, 2008

- Treasurer, Humanist Society, University of Nottingham, 2006-2007.

- President, Games Society, University of Durham, 2004-2005.

- President, Trevelyan Alternative Film Society, 2002-2003.

Skills

- Languages: English (native), French to "A" grade at GCSE, Basic German.

- Computer Skills: Linux, LATEX, Open Office, Windows, Word, Excel, HTML, XML.