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L-functions and Galois Representations

Edited by

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Cambridge University Press
978-0-521-69415-5 — L-Functions and Galois Representations
Edited by David Burns , Kevin Buzzard , Jan Nekovář
Frontmatter
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University Printing House, Cambridge CB2 8BS, United Kingdom
One Liberty Plaza, 20th Floor, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
314-321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi - 110025, India
103 Penang Road, #05-06/07, Visioncrest Commercial, Singapore 238467

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www.cambridge.org
Information on this title: www.cambridge.org/9780521694155

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First published 2007

A catalogue record for this publication is available from the British Library

ISBN 978-0-521-69415-5 Paperback

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Contents

<i>Preface</i>	<i>page</i> ix
<i>List of participants</i>	xi
Stark–Heegner points and special values of L-series	
<i>Massimo Bertolini, Henri Darmon and Samit Dasgupta</i>	1
Presentations of universal deformation rings	
<i>Gebhard Böckle</i>	24
Eigenvarieties	
<i>Kevin Buzzard</i>	59
Nontriviality of Rankin–Selberg L-functions and CM points	
<i>Christophe Cornut and Vinayak Vatsal</i>	121
A correspondence between representations of local Galois groups and Lie-type groups	
<i>Fred Diamond</i>	187
Non-vanishing modulo p of Hecke L-values and application	
<i>Haruzo Hida</i>	207
Serre’s modularity conjecture: a survey of the level one case	
<i>Chandrashekhara Khare</i>	270
Two p-adic L-functions and rational points on elliptic curves with supersingular reduction	
<i>Masato Kurihara and Robert Pollack</i>	300
From the Birch and Swinnerton–Dyer Conjecture to non-commutative Iwasawa theory via the Equivariant Tamagawa Number Conjecture - a survey	
<i>Otmar Venjakob</i>	333

The André-Oort conjecture - a survey <i>Andrei Yafaev</i>	381
Locally analytic representation theory of p-adic reductive groups: a summary of some recent developments <i>Matthew Emerton</i>	407
Modularity for some geometric Galois representations - with an appendix by Ofer Gabber <i>Mark Kisin</i>	438
The Euler system method for CM points on Shimura curves <i>Jan Nekovář</i>	471
Représentations irréductibles de $GL(2, F)$ modulo p <i>Marie-France Vignéras</i>	548

Preface

The London Mathematical Society symposium on L -functions and Galois representations took place at the University of Durham from the 19th to the 30th of July, 2004; this book is a collection of research articles in the areas covered by the conference, in many cases written by the speakers or audience members. There were series of lectures in each of the following subject areas:

- Local Langlands programme
- Local p -adic Galois representations
- Modularity of Galois representations
- Automorphic forms and Selmer groups
- p -adic modular forms and eigenvarieties
- The André-Oort conjecture

In practice it is becoming harder to distinguish some of these areas from others, because of major recent progress, much of which is documented in this volume. As well as these courses, there were 19 individual lectures. The organisers would like to thank the lecturers, and especially those whom we persuaded to contribute to this volume.

The symposium received generous financial support from both the EPSRC and the London Mathematical Society. These symposia now command a certain reputation in the number theory community and the organisers found it easy to attract many leading researchers to Durham; this would not have been possible without the financial support given to us, and we would like to heartily thank both organisations.

The conference could not possibly have taken place if it had not been for the efforts of John Bolton, James Blowey and Rachel Duke of the Department of Mathematics at the University of Durham, and for the hospitality of Grey College. We are grateful to both these institutions for their help in making the operation run so smoothly.

The feedback from the participants to the organisers seemed to indicate that many participants found the symposium mathematically stimulating; and the organisers can only hope that this volume serves a similar purpose.

David Burns
Kevin Buzzard
Jan Nekovář

List of participants

- | | |
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