

CONTEMPORARY MATHEMATICS

649

Trends in Number Theory

Fifth Spanish Meeting on Number Theory
July 8–12, 2013
Universidad de Sevilla, Sevilla, Spain

Fernando Chamizo
Jordi Guàrdia
Antonio Rojas-León
José María Tornero
Editors



American Mathematical Society
Real Sociedad Matemática Española



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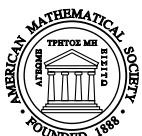
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Preface

We are very pleased to introduce this volume that contains the contributions of the participants in the “*Quintas Jornadas de Teoría de Números*” (*Fifth Spanish Meeting on Number Theory*) held at the *Universidad de Sevilla* (Spain) in 2013.

This conference is part of a series that originated around 2005, when several Spanish number theorists thought that we should establish a way to maintain contacts, exchange ideas, and gather information. The most noticeable result was the organization of the first meeting in this series at Vilanova i la Geltrú (Barcelona).

Since then, every two years we have repeated this enriching experience in different cities in Spain. The initial scope was immediately broadened and from the very beginning the organizers gave an international orientation to the conferences and also made some special efforts to attract the Latin-American community of number theorists. The continuing success of this meeting series has allowed us to plan with confidence the next event, which will be held in Valladolid in 2015.

We wish to express our deep gratitude to the authors and participants. Needless to say, without their efforts this volume would not have been possible. Although the contributions do not always correspond exactly to the talks, they give readers a good idea about the level of the conference.

As attendants, we want to thank the *Universidad de Sevilla* for providing an excellent conference room and especially the people involved in every stage of the organization (volunteers, committee members, and staff members) for allowing us to hold this successful meeting in a warm environment. (It was even warmer outside the university facilities, as you can imagine July at this latitude.)

Last but not least, we are grateful to the AMS and RSME editors involved in the editorial process of this volume.

Fernando Chamizo
Jordi Guàrdia
Antonio Rojas-León
José María Tornero

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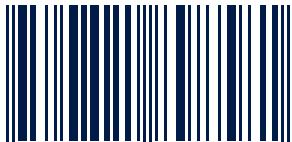
This volume contains the proceedings of the Fifth Spanish Meeting on Number Theory, held from July 8–12, 2013, at the Universidad de Sevilla, Sevilla, Spain.

The articles contained in this book give a panoramic vision of the current research in number theory, both in Spain and abroad. Some of the topics covered in this volume are classical algebraic number theory, arithmetic geometry, and analytic number theory.

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