Preface

This volume contains extended versions of selected communications presented at the XIV Spanish Meeting on Computational Geometry, held in the University of Alcalá (Spain), during June 27–30, 2011.

The XIV Spanish Meeting on Computational Geometry is part of the series “Encuentros de Geometría Computacional.” The “Encuentros” have, since their start in Santander in 1990, served not only as a meeting point for computational geometers working in Spain, but also as one of the crucial contributions toward the development of a vigorous Spanish computational geometry community. The “Encuentros” made it possible for all Spanish researchers in the area to get in touch with the most relevant international figures: with the Spanish-speaking ones in the first years, and gradually with those of the entire international community.

This year, for the first time, the meeting had a fully international character, and the official language has been English. The main reason for this is that the XIV Spanish Meeting was dedicated to Prof. Ferran Hurtado, on the occasion of his 60th birthday. Professor Hurtado has played a central role in the Spanish community of computational geometry since its very beginning, and the quantity and quality of the international participants in the conference were indisputable proof of his relevance at an international level.

Fig. 1. This image has been provided by M. Abellanas and has been obtained with the program DEpthLAUNAY (http://www.dma.fi.upm.es/mabellanas/delonedepth/).

Let this volume be a token of our appreciation for Ferran’s mathematics, and the enjoyable time and friendship he has given us for many years. We are indebted to the invited speakers at our conference: Manuel Abellanas, Oswin Aichholzer, Jin Akiyama, Prosenjit Bose, Erik Demaine, Alberto Márquez, Joseph
S.B. Mitchell, János Pach, Vera Sacristán, Jorge Urrutia, all of whom were happy to join us in this celebration. We also acknowledge the enthusiastic participation of all the attendees at the XIV Spanish Meeting on Computational Geometry: their participation was essential in making this a memorable event for all of us, and in particular for Ferran. Ferran, best wishes and let us continue to enjoy friendship, mathematics and “queso, pan y vino” for many years to come!

We would like to thank all authors for their contributions to this volume. We also wish to thank the members of the Scientific Committee, for the careful revision of the papers, and the following institutions for their financial support: the Spanish Ministerio de Ciencia e Innovación, the program Ingenio Matemática (i-MATH), Universidad de Alcalá, Centre de Recerca Matemàtica (CRM), Societat Catalana de Matemàtiques (SCM), Departament de Matemàtiques Aplicada II (UPC), Departamento de Matemáticas (UAH), and Real Sociedad Matemática Española (RSME).

July 2012

Alberto Márquez
Pedro Ramos
Jorge Urrutia
The XIV Spanish Meeting on Computational Geometry was organized by the Department of Mathematics, University of Alcalá (Spain).

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