

Preface

This special issue of “Journal of Computational Mathematics” assembles papers presented at The Second China-Russia Conference on Numerical Algebra with Applications (CRCNAA 2013) held in June 25-29, 2013, at Rostov-on-Don, Russia. About 80 participants from China and Russia attended the conference. Among them there were 20 invited keynote speakers, 16 contributed speakers, and more than 25 contributed posters. The conference was organized by the Southern Federal University of Russia; and chaired by Lev A. Krukier, the Southern Federal University, Russia, and Zhong-Ci Shi, the Chinese Academy of Sciences, China. The organizing committee consisted of Lev A. Krukier, Mikhail I. Karyakin, Galina V. Muratova, Olga A. Pichugina, Irina N. Shabas, Boris L. Krukier, Evgenia M. Andreeva and Svetlana A. Vinogradova.

CRCNAA, starting in 2012, is a series of bilateral conferences between the numerical algebraists of two countries, China and Russia. The first conference was held at Beijing Institute of Applied Physics and Computational Mathematics, Beijing, China, in October 16-18, 2012. It was the purpose of the conferences to bringing together researchers, scientists and engineers, as well as graduate students to exchange and stimulate ideas from different disciplines, at discussing the practical challenges encountered and the solutions adopted, and at learning about the recent developments on theory and numerical methods for numerical simulation about numerical algebra and scientific computing. The topics discussed on CRCNAA 2013 include, but were not limited to mathematical modeling, applications of numerical methods and algorithms to solve problems of mathematical modeling, solving systems of linear and nonlinear equations, preconditioning techniques and parallel computing.

We thank all the participants of the conference. It is their outstanding lectures, active support and friendly cooperations that make this conference successful. Finally, we sincerely thank the sponsors of the conference: Computer Center, Southern Federal University; and Russia Foundation on Basic Researches (No. 13-01-06813). Our special thanks go to Drs. Olga A. Pichugina and Evgenia M. Andreeva for their enthusiasm and help with the organization of the conference.

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