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Preface

Special Issue on the Joint China and Russia Conference on Computational Mathematics

The Joint China and Russia Conference on Computational Mathematics was held from November 1 to November 3, 2010 at Hong Kong Baptist University. The purpose of the conference is to discuss recent progress in the field of computational mathematics, to promote scholarship and friendship between China and Russia. This is the first time in Hong Kong to organize a joint conference on computational mathematics between China and Russia. Many top scientists in the area of computational mathematics from China and Russia, including academicians and members of Academy of Sciences, attended the conference and presented their research results.

The special issue contains 13 papers from invited speakers of the conference. The contributions cover different aspects in the research field of computational mathematics with applications:

(i) analyze linear/nonlinear problems arisen in different fields of science and engineering;

(ii) develop performance of numerical method for partial differential equations;

(iii) pursue effective computation for ordinary differential equations and partial differential equations;

(iv) obtain deep understanding and appropriate application of linear algebra and multilinear algebra.

We hope that these important topics needed for future advanced computational mathematics will have a significant impact for both countries.

On behalf of the organizers of the conference, we would like to thank for the following sponsors for their generous support: Hong Kong Baptist University, Institute for Computational Mathematics, Hong Kong Baptist University and Hong Kong Pei Hua Education Foundation.
