Foreword

The Journal of Computational Mathematics is an international journal on numerical methods, analysis and applications, published quarterly in English or French or German, but preferably in English for the purpose of wider communication and circulation. The journal is published by Science Press, Beijing.

This journal will consider for publication original research papers in all branches of modern computational mathematics, such as numerical linear and nonlinear algebra, numerical optimization, numerical approximations, computational geometry, computational statistics and probability, Monte Carlo methods, numerical methods for ordinary differential equations, integral equations and partial differential equations including both direct and inverse problems, and computational-mathematical problems in diverse fields of science and engineering. Papers containing new ideas, creative approaches and/or innovative applications will be especially welcomed. Survey articles will be occasionally included for publication on an invited basis.

The journal encourages the interactions between theory and practice, between basic research and applications, between the mathematics and the computer environment, between different and related disciplines. Such a kind of interactions and balance, I believe, is vital for the progress of any branch of science in general, and for the progress of computational mathematics in the present computer-era in particular. We know that this is a difficult task, but nevertheless, we shall try our best through the joint effort of the editors and the contributors.

A special feature of this journal, which might be of additional interest to the international community of the computational and applied mathematicians, is that it provides, for the readers who can not read the literal Chinese, a direct access to the contributions of the scientists of the People's Republic of China, which, due to the language barrier and the communications difficulty, are otherwise hardly known outside of China. For this reason, it is intended to publish in this journal, on a selective basis, a certain number of papers which are English versions of the originals appeared in the recent past or to appear simultaneously in Chinese in *"Mathematica Numerica Sinica"* ("计算数学"), the sister journal to the present one, published also by Science Press.

I would like to thank all who has rendered us valuable help during the founding of this journal. I do hope that the launch of the new journal would promote, in its own way, the further development of computational mathematics as well as the mutual understanding and fruitful co-operation between the computational and applied mathematicians in China and other countries in the world.

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