Symmetry in Methods of Numerical Analysis and Its Application in Engineering

Guest Editors:

Prof. Dr. Sandra Pinelas
Departamento De Ciencias
Exatas E Engenharia Academia
Militar, Av. Conde Castro
Guimaraes, 2720-113 Amadora,
Portugal

Dr. Ivan Dražić
Department of Applied
Mathematics, Faculty of
Engineering, University of Rijeka,
Vukovarska 58, 51000 Rijeka,
Croatia

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Message from the Guest Editors

Dear Colleagues,

Symmetries have important roles in solving differential equations. The aim of this Special Issue is to introduce recent research results in numerical analysis and its applications in engineering.

Papers in all areas of numerical analysis and applications are welcome. More specifically, we welcome papers that concern topics including, but not limited to, the following:

- Ordinary differential equations;
- Partial differential equations;
- Stochastic differential equations;
- Approximation theory;
- Numerical linear algebra;
- Numerical integral equations;
- Numerical problems in dynamical systems;
- Applications to the sciences (computational physics, computational statistics, computational chemistry, computational engineering, etc.).

Prof. Dr. Sandra Pinelas
Dr. Ivan Dražić
Guest Editors

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Special Issue

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov
1. Institució Catalana de Recerca i Estudis Avançats (ICREA), Passeig Luis Companys, 23, 08010 Barcelona, Spain
2. Institute of Space Sciences (ICE-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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