

## Special Issue

# Symmetry in Numerical Analysis and Numerical Methods

### Message from the Guest Editor

Both fields of numerical and mathematical analysis are of significant importance for the solution and understanding of mathematical problems in science and technology. The mathematical problems appearing in various fields of science are usually expressed in terms of differential equations. Several numerical and mathematical methods for the solution of differential equations rely on the geometrical and analytical properties of the mathematical and/or numerical problems. In this Special Issue, the focus is on the numerical methods for the approximation of solutions of differential equations, with emphasis on the geometrical properties of both mathematical and numerical problems. Computational results that show the advantages and help to advance the understanding of the prescribed numerical methods should be included. Results in mathematical analysis, differential geometry, and variational methods, combined with the analysis of the numerical algorithms and methods are topics also appropriate for this Special Issue.

### Guest Editor

Dr. Dimitrios Mitsotakis  
Victoria University of Wellington, New Zealand

### Deadline for manuscript submissions

closed (17 December 2021)



## Symmetry

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## About the Journal

### 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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### Editor-in-Chief

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