Special Issue

Symmetry in the Finite Element Method and Finite Element Analysis

Message from the Guest Editors

In addition to experimental research, mechanical engineering is now also focusing on assessing the behavior of various engineering structures through the use of computational methods and the adoption of FE tools. This Special Issue in *Symmetry* will focus on critical findings, advances, and applications of the finite element method in all mechanical engineering fields. Papers related to new developments of finite element analysis in relation to theoretical, computational, and modeling techniques and their applications in science and technology will be considered. Papers that cover a wide range of issues are expected, including (but not limited to):

- Finite element analysis;
- Structural health monitoring;
- Connections in mechanical engineering;
- Deformation analysis;
- Geometric modeling.

Guest Editors

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closed (30 November 2023)

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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.

Editor-in-Chief

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