

Special Issue

Application of Finite Element Methods

Message from the Guest Editors

Throughout its history, the finite element method has been applied in various ways and in various domains, from structural mechanics to electromagnetism, from thermal flow to fluid–structure interaction. This Special Issue is dedicated to exploring the recent advances in various applications of the finite element method and related methods. Specific methods, domains, and fields of applications include, but are not limited to:

- Finite element method;
- Semi-analytical finite elements;
- Smoothed finite element method;
- Extended finite element method;
- Scaled boundary finite element method;
- Structural mechanics
- Fluid dynamics;
- Thermal flow;
- Electromagnetism;
- Fluid-structure interaction;
- Mechanical engineering;
- Thermal engineering;
- Biomedical engineering;
- Nondestructive testing.

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