Finite Element Analysis

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Message from the Guest Editor

Since the early developments in the 1960s and 1970s, carried out by pioneers like R.W. Clough at the UC Berkeley, J.H. Argyris at the University of Stuttgart, and O.C. Zienkiewicz at the University of Swansea, the use of the Finite Element Method (FEM) has been continuously growing, becoming the leading method in the numerical simulation of mathematical, science and engineering problems.

Nowadays, the FEM is applied to a large variety of mathematical and multi-physics and multi-scale science and engineering problems, including computational solid mechanics, computational fluid dynamics, coupled thermomechanical problems, coupled electromechanical problems, or coupled electromagnetics problems.

This special issue on "Finite Element Analysis" intends to collect selected review works written by well-known researchers in the field, as well as current developments in the application of the FEM to mathematical and multi-physics multi-scale physical problems in engineering and science.

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Specialissue

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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