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The articles can involve theory, algorithm, programming, coding, numerical simulation, error and uncertainty analysis and/or novel application of computational techniques to problems in engineering, science, and other disciplines related to computations. Examples of fields covered by the journal are:

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- Advanced Finite volume methods,
- High-performance computing techniques.

The journal places a great emphasis on creativity, novelty and innovativeness of computational methods. It aims to become the major platform that archives the history of the technical development of new generations of computational methods.

The journal also features a section for technical notes that allows researchers to publish their original findings or new ideas more speedily. It will publish technical discussions so that researchers can have a vibrant and timely academic communication with others. The IJCM will help bring together papers and articles focused on related subjects so as to provide a more effective medium for disseminating the latest developments to researchers, engineers and other professionals.

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