Special Issue

Advances in Mathematical Methods and Applications for High-Performance Computing

Message from the Guest Editor

High-performance computing (HPC) in general refers to the practice of processing large-scale data and performing complex calculations with high computational efficiency. This term is most commonly associated with computing as used for scientific research or computational science. The aim of this Special Issue is to explore the connections between mathematical modeling, computational methods, and high-performance computing, and how recent developments in these areas can help to solve complex problems in scientific and engineering applications. This Special Issue is expected to to provide a platform for researchers and practitioners from academia and industry to present their state-of-the-art research results covering the design, implementation, and evaluation of advanced mathematical methods for a variety of high-performance computing platforms. We invite researchers working in this area of the field to submit papers related to mathematical methods and applications for high-performance computing.

Guest Editor

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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