Special Issue

Advances in Fractional Order Information Measures and Applications

Message from the Guest Editors

The notion of fractional calculus was born in the year 1695 when L'Hospital had a letter containing a thoughtful question for Leibniz. Though fractional calculus has been a topic of top-level mathematicians for a long period, presently it has become an important tool for studying the dynamics of several complex systems, which occur in different applications of science and engineering. Nowadays, the concept of fractional calculus, especially the concept of fractional order derivative has been applied to various basic information measures in order to introduce fractional order information measures. It has been noticed by researchers that the new concept of fractional order entropy has performed well, even better in some situations in comparing non-fractional order entropy measures. This Special Issue aims to promote the development of the concept of fractional calculus to information theory and its application in practice. Researchers working in this interdisciplinary field are welcome to submit their original research articles as well as review articles.

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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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