

Special Issue

Fractional Order Systems

Message from the Guest Editor

It is well known that fractional calculus is recognized since the regular calculus with the first written reference dated in September 1695 in letter from Leibniz to L'Hospital. Nowadays, the fractional calculus has a wide area of applications, for example, physics, chemistry, bioengineering, chaos theory, control systems engineering, and many others. In all those applications we deal, in general, with fractional order systems.

Moreover, the fractional calculus plays an important role even in the complex systems and therefore allows us to use a better description of some real-world phenomena.

Based on this fact, the fractional order systems are ubiquitous as well as whole real world around us is fractional, not integer one. Due to this reason it is so urgent consider almost all systems as the fractional order systems. This Special Issue is focused on the theory and multidisciplinary applications of fractional order systems in science and engineering, and will accept only high-quality survey, and/or original research papers.

Guest Editor

Prof. Dr. Ivo Petráš

Faculty of Mining, Ecology, Process Control and Geotechnologies (FBERG), Technical University of Kosice (TUKE), Kosice, Slovakia

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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