

Special Issue

Fractional Order Systems with Application to Electrical Power Engineering, 2nd Edition

Message from the Guest Editors

As , we encourage scientists and colleagues to submit their theoretical and applied contributions, as well as review articles, to this Special Issue of *Fractal and Fractional* on the subject “**Fractional Order Systems with Application to Electrical Power Engineering, 2nd Edition**”. This Special Issue aims to explore the modeling, design, analysis, and control of fractional-order systems for energy and power engineering applications such as power electronics and electric motor drives, power systems, distributed generation, and multi-energy systems. As a non-standard operator, fractional-order calculus can describe the dynamic behavior of complex systems that cannot be described by the constitutive model of classical differential equations. It provides an effective tool for defining practical models with memory properties and historical reliance, provides additional degrees of freedom, and increases design flexibility. A more accurate mathematical model of the system can be established using fractional calculus due to the nature of a fractal dimension compared to integer calculus.

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About the Journal

Message from the Editor-in-Chief

Fractal and Fractional (*Fractal Fract.*) is a scholarly online journal which provides a forum for discussion on new original models and methods in fractals and fractional calculus both from theory and applications. It is a peer-reviewed, open access journal that publishes high quality original research articles, review papers and short communications.

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