

Special Issue

Analysis and Modeling of Fractional-Order Dynamical Networks

Message from the Guest Editors

In recent years, fractional-order systems have received extensive attention. Certain kinds of fractional-order dynamical networks have been investigated and achieved many outstanding results, such as fractional-order neural networks, fractional-order gene regulatory networks, fractional-order multi-agent systems, etc. In this Special Issue, we invite review and original research papers dealing with recent developments in the analysis and modeling of fractional-order dynamical networks, as well as practical developments in various science and engineering fields, including mathematics and physics. This Special Issue will focus on, but not be limited to, the following: (1) Fractional-order neural networks; (2) Fractional-order gene regulatory networks; (3) Fractional-order dynamical networks; (4) Fractional-order multi-agent systems; (5) Coupled fractional-order systems; (6) Synchronization control of fractional-order systems; (6) Mathematical modeling of fractional complex systems; (7) Heterogeneous networks.

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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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