Special Issue

Synchronization and Adaptive Control for Fractional-Order Network Systems

Message from the Guest Editors

Compared with integer calculus, fractional calculus not only has more freedom in modeling real complex systems, but it also possesses some noteworthy features, such as its genetic characteristics, infinite memory, and so on. Therefore, fractional-order networks can better describe the dynamic behaviors of real networks such as fractional-order multirobot systems, coupled fractional-order chaotic systems, coupled fractional-order neural networks, and so on. The objective of this Special Issue is to provide an opportunity for researchers globally to publish both original research and review articles with a focus on fractional-order network systems. Potential topics include, but are not limited to, the following:

- Analysis and control for fractional-order neural networks;
- Analysis and control for fractional-order reaction-diffusion neural networks;
- Cooperative control of fractional-order multiagent systems;
- Analysis and control for fractional-order complex networks;
- Applications

Guest Editors

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Deadline for manuscript submissions

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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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Author Benefits

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).