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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Deadline for manuscript submissions

closed (31 October 2024)

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Editor-in-Chief

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