Special Issue

Fractional Order Controllers for Non-linear Systems

Message from the Guest Editors

The study of fractional control theory provides a valuable framework for modeling, understanding, and controlling complex systems that exhibit memory-dependent behaviors. In comparison to traditional integer-order control approaches, fractional calculus offers increased flexibility, robustness, and improved performance. The focus of this Special Issue is to continue to advance research on topics relating to the fractional order systems and their multi-faceted applications. You could find more keywords below:

- fractional deterministic and stochastic systems of orders (0,1) and (1,2)
- existence and controllability analysis for fractional order system
- mathematical modeling and simulation of fractional order systems
- dynamics and stability analysis of fractional order controllers
- fractional-order neural networks and fuzzy control systems
- fractal and fractional analysis in engineering problems
- control engineering problems in wind turbines
- fractional order controllers and its applications in wind energy systems

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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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