

Special Issue

Applications of Fractional-Order Systems to Automatic Control

Message from the Guest Editors

Fractional-order systems have been applied in diverse areas of science and engineering. Fractional-order calculus is a generalization of the integration and differentiation operators to non-integer order. Fractional order provides additional flexibility and adjustments to operation specifications. In automatic control, fractional systems allow forms of response that are impossible to achieve with classical control, e.g., improvement in noise measurement attenuation without unnecessarily deteriorating the disturbance rejection properties and, consequently, the time response of the closed-loop system. The focus of this Special Issue is to showcase advances in research on topics related to the theory, design, implementation and application of fractional order systems in automatic control.

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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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