

Special Issue

Fractional-Order Model Predictive Control: Development and Application

Message from the Guest Editor

Articles submitted to this Special Issue may focus on research relating to fractional-order model predictive control and its applications to real dynamic systems modeled using integer- and/or fractional-order differential equations. Other important subjects, such as example numerical and computational aspects of proposed control algorithms, may also be explored.

Keywords are:

- model predictive control
- fractional-order control theory
- fractional-order dynamic models
- fractional-order controllers and observers
- analytical and computational methods for fractional-order systems
- implementation of fractional-order control

Guest Editor

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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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CiteScore - Q1 (Analysis)

Rapid Publication:

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).