

## Special Issue

# Applications of Fractal Interpolation in Mathematical Functions

### Message from the Guest Editors

In recent years, fractal interpolation has gained increasing interest in the research community, especially as a powerful tool for approximating complex, irregular, and self-similar phenomena observed across various scientific fields. Unlike classical interpolation techniques, fractal interpolation functions (FIFs) incorporate self-similarity and nonlinearity, making them especially suitable for modeling real world data with intricate or fragmented structures. A defining characteristic of FIFs is that they are continuous but may not be differentiable at every point, allowing them to capture the irregularities seen in natural phenomena more effectively. The spectrum of fractal interpolants ranges from those that are nowhere differentiable to those that are infinitely differentiable, offering a broad range of applications in both theoretical and practical contexts.

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### Guest Editors

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## Fractal and Fractional

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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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### Editor-in-Chief

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