Special Issue

Applications of General Fractional Calculus Models: Insights into Viscoelasticity and Wave Propagation

Message from the Guest Editors

Fractional derivatives and fractal theory play important roles in engineering applications, particularly in describing the mechanical behavior of complex materials and the properties of viscoelastic materials. Fractional derivatives and fractal theory can not only simulate the properties of real materials more accurately, but also explain some phenomena that traditional models cannot explain.

Fractional derivatives and fractal theory have important theoretical and practical significance in engineering applications by providing more accurate mathematical tools to describe the complex behavior of materials.

Based on this, the topic of this Special Issue aims to highlight the new background and challenges of fractional calculus in the field of viscoelasticity and wave propagation. Expanding traditional integer dimensional space to fractional dimensional space involves the intersection of multiple disciplines such as mathematics and physics.

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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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