

Special Issue

Fractional Fourier and Wavelet Transform Methods for Holography, Imaging, and Signal Processing

Message from the Guest Editors

Fractional Fourier and wavelet transform methods have become powerful and versatile tools of modern mathematical physics, wave theory, and applied analysis. The fractional Fourier transform, as a natural generalization of the classical Fourier transform, provides a unified description of wave propagation, diffraction, and optical and acoustic field transformations, while wavelet-based techniques offer efficient multiresolution and time-frequency representations that are essential for analyzing nonstationary signals, complex media, and holographic data. The focus of this Special Issue: “Fractional Fourier and Wavelet Transform Methods for Holography, Imaging, and Signal Processing” is to advance research on the theory, computation, and applications of fractional Fourier, wavelet, and related integral transforms in holography, imaging, and signal processing.

Guest Editors

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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.

Editor-in-Chief

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