Local Fractional Integral Transforms and Their Applications

Description: Local Fractional Integral Transforms and Their Applications provides information on how local fractional calculus has been successfully applied to describe the numerous widespread real-world phenomena in the fields of physical sciences and engineering sciences that involve non-differentiable behaviors. The methods of integral transforms via local fractional calculus have been used to solve various local fractional ordinary and local fractional partial differential equations and also to figure out the presence of the fractal phenomenon. The book presents the basics of the local fractional derivative operators and investigates some new results in the area of local integral transforms.

- Provides applications of local fractional Fourier Series
- Discusses definitions for local fractional Laplace transforms
- Explains local fractional Laplace transforms coupled with analytical methods

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