GENERALIZED LAPLACE TRANSFORM AND FRACTIONAL EQUATIONS OF DISTRIBUTED ORDERS

A. K. Thakur, Geeta Kewat & Hetram Suryavanshi

Dr. C. V. Raman University, Kota, Bilaspur, Chhattisgarh, India

ABSTRACT

In this article, we introduce a generalized Laplace transform and fractional equations of distributed orders and evaluate the results of the complex inversion formula for the exponential Mellin transform, the exponential Laplace transform of δ_x-Derivatives.

KEYWORDS: Mellin Transform, Fractional Derivatives, Fractional Diffusion Equation