عنوان مقاله:

Generalization of Katugampola fractional kinetic equation involving incomplete H-function

محل انتشار:

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خلاصه مقاله:

In this article, Katugampola fractional kinetic equation (KE) has been expressed in terms of polynomials along with incomplete H-function, incomplete Meijer's G-function, incomplete Fox-Wright function, and incomplete generalized hypergeometric function, weighing the novel significance of the fractional KE that appear in a variety of scientific and engineering scenarios. T-Laplace transform is used to solve the Kathugampola fractional KE. The obtained solutions have been presented with some real values and the simulation was done via MATLAB. Furthermore, the numerical and graphical interpretations are also mentioned to illustrate the main results. Each of the obtained conclusions is of a general nature and is capable of generating the solutions to several fractional KE

كلمات كليدى:

Fractional kinetic equation, Incomplete H-functions, Mellin-Barnes type contour

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