

The New Integral Transform Mu'azu-Bayawa Transform with Applications.

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Abstract: *In this paper, we apply new integral transform namely Mu'azu -Bayawa transform to solve linear ordinary differential equations with constant coefficients. The fundamental properties, linearity property and convolution theorem for the Mu'azu-Bayawa transform has been proved. Some applications are given to demonstrate the effectiveness to propose the technique.*

Keywords: Mu'azu -Bayawa Transform, Integral Transform , Differential Equations, Linearity property and Convolution Theorem

