International J. of Math. Sci. & Engg. Appls. (IJMSEA) Vol. 2 No. 1 (2008), pp. 235-245

DISTRIBUTIONAL GENERALIZED FINITE HANKEL TRANSFORMATION

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Abstract

The work in this paper consists an extension of Generalized Finite Hankel Transform (N.T. Eldabe, M. El-Shahed, M. Shawkey 2003) with the use of Zemanian's technique related to the transformations arising from orthonormal series expansions (Zemanian's 1968) Inversion formula, characterization theorem and application of differential operator in solving certain type of differential equations have been discussed.

Key Words : Generalized Finite Hankel Transform, Finite Hankel Transform.