



GENERALIZED INTEGRAL TRANSFORMS INVOLVING THE INCOMPLETE I -FUNCTIONS

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Abstract. Advanced integral transformations utilizing the incomplete I -functions, a family of generalized special functions, are examined in this study. We thoroughly prove image formulae of the incomplete I -functions using two new integral transforms: the general integral transform and the generalized Bessel Maitland integral transform. A few well-known integral transformations for the range of special functions are assessed using these relations. Our results lay the groundwork for more research into incomplete I -functions and their usefulness in intricate numerical and analytical frameworks.

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