

SOME ITERATION AND PARSEVAL-GOLDSTEIN TYPE IDENTITIES WITH THEIR APPLICATIONS

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Abstract. In the present paper, identities involving the generalized Laplace transform, the Stieltjes transform, the generalized Stieltjes transform, the exponential transform and the upper incomplete gamma transform are given. Using these identities, some new Parseval-Goldstein type identities are obtained for these integral transforms and the other well-known. As applications of the identities and theorems, some generalized integrals and illustrative examples are also given.

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