CERTAIN THEOREMS ON TWO DIMENSIONAL LAPLACE TRANSFORM AND NON-HOMOGENEOUS PARABOLIC PARTIAL DIFFERENTIAL EQUATIONS

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Abstract. In this work, we present new theorems on two-dimensional Laplace transformation. We also develop some applications based on these results. The two-dimensional Laplace transformation is useful in the solution of non-homogeneous partial differential equations. In the last section a boundary value problem is solved by using the double Laplace-Carson transform.

References


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