



TRANSFORM IDENTITIES AND INTEGRAL RELATIONS FOR SAIGO–MAEDA FRACTIONAL INTEGRAL OPERATORS IN TWO DIMENSIONS

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Abstract. This paper investigates two-dimensional Saigo–Maeda fractional calculus in the context of two-dimensional Y-transform. By establishing new integral relations and transform identities, we reveal structural connections between these operators. Several interesting results related to the H-functions and G-functions are deduced from the derived findings. Additionally, the one-dimensional analogues of these results are also established.

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