A NOTE ON TWO INTEGRALS INVOLVING PRODUCT OF TWO GENERALIZED HYPERGEOMETRIC FUNCTIONS

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Abstract: In this note, two interesting integrals involving the product of two generalized hypergeometric functions have been evaluated in terms of gamma function. The results are derived with the help of a known integral involving hypergeometric function recorded in the paper of Lavoie and Trottlier. We also give several interesting special cases of our main findings.

Keywords and Phrases: Hypergeometric function, Generalized hypergeometric function, Watson summation theorem.

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