



ON FRACTIONAL q -INTEGRAL REPRESENTATIONS OF THE MODIFIED ALEPH-FUNCTION OF TWO VARIABLES

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Abstract. This paper establishes two theorems involving fractional q -integral operators of the Erdélyi-Kober type, in conjunction with a basic analogue of the modified Aleph-function of two variables. As special cases of the main results, corresponding identities for the Riemann–Liouville and Weyl fractional q -integral operators are also derived. The paper concludes with several corollaries that further illustrate the applicability of the main theorems.

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