

BOUNDS FOR THE (p, v) -EXTENDED BETA FUNCTION AND CERTAIN CONSEQUENCES

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Abstract. Our main goal in this article is to present both upper and lower bounds for the (p, v) -extended Gauss' hypergeometric function and the related confluent hypergeometric (or Kummer's) function, the modified Bessel function of the second kind, with the extended Gautschi–Pinelis inequality (upper bounds) and with the aid of the classical Bernoulli inequality (lower bounds) and also inferring associated functional bounds for the (p, v) -extended Beta function.

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