Documents

Mansour, M.^a, Obaid, M.A.^b **Bounds of q-factorial [n] q|** (2011) *Ars Combinatoria*, 102, pp. 313-319.

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Abstract

In this paper, we get the following upper and lower bounds for q-factorial [n] q,! (q;q) ∞ (1-q) -ne fq(n+1)<[n]q|(q;q) ∞ (1-q) -ne gq(n+1) where n≥1, 0<g<1 and the two sequences f q(n) and g q(n) tends to zero through positive values. Also, we present two examples of the two sequences f q(n) and g q(n).

Author Keywords

Q-factorial; Q-gamma function; Stirling's formula

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