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Bounds of q-factorial [n] q|

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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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