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TWO CLASSES OF BOUNDS FOR THE q -GAMMA AND THE q -DIGAMMA FUNCTIONS IN TERMS OF THE q -ZETA FUNCTIONS

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ABSTRACT. In this paper, two infinite classes of inequalities for the q -gamma and the q -digamma functions are established by means of using the Taylor theorem. The bounds appeared in these inequalities are in terms of the Hurwitz and Riemann q -zeta functions.

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