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## Volume 10, Issue 1, Article 12

## Some Inequalities for the \$q\$-Digamma Function

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**Keywords:** \$q\$-digamma function, inequalities.

Date Received:17/06/08Date Accepted:21/02/09Subject Codes:33D05

Editors: Andrea Laforgia,

**Abstract:** For the q-digamma function and it's derivatives are established the functional

inequalities of the types:

$$f^2(x \cdot y)f(x) \cdot f(y),$$

$$f(x+y)f(x) + f(y).$$

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