



Volume 7, Issue 4, Article 144

## Further Development of Qi-Type Integral Inequality

**Authors:** [Yu Miao](#),

**Keywords:** Hölder inequality, Integral inequality, Jensen's inequality, Nehari inequality, Qi-type inequality.

**Date Received:** 27/07/06

**Date Accepted:** 22/11/06

**Subject Codes:** 26D15.

**Editors:** [Sever S. Dragomir](#),

**Abstract:** We give some further answers to the open problem posed in the article [Feng Qi, Several integral inequalities, *J. Inequal. Pure and Appl. Math.*, 1(2) (2000), Art. 19.] Being Qi's inequality of moment type, we consider the moments of uniformly distributed random variables and construct certain suitable probability measures to solve the posed problem. Moreover, reverse inequality to Qi's and other related results are deduced as well.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)