# Inequalities for 3-log-convex Functions 

## Authors:

Keywords:

Date Received:
Date Accepted:
Subject Codes:

## Editors:

## Abstract:

Donghui Chen, Kenneth S. Berenhaut, Inequalities, Logarithmic derivative, Convexity, Gamma function, Digamma function, Extended means.

07/12/07
13/08/08
33B15, 26A51, 26A48, 26D20.
Sever S. Dragomir,

This note gives a simple method for obtaining inequalities for ratios involving 3 -log-convex functions. As an example, an inequality for Wallis's ratio of Gautchi-Kershaw type is obtained. Inequalities for generalized means are also considered.


