



Volume 7, Issue 2, Article 73

Convexity of Weighted Stolarsky Means

Authors: [Alfred Witkowski](#),
Keywords: Extended mean values, Mean, Convexity.
Date Received: 28/10/05
Date Accepted: 13/11/05
Subject Codes: 26D15.
Editors: [Peter S. Bullen](#),

Abstract: We investigate monotonicity and logarithmic convexity properties of one-parameter family of means

$$F_h(r; a, b; x, y) = E(r, r + h; ax, by) / E(r, r + h; a, b)$$

where E is the Stolarsky mean. Some inequalities between classic means are obtained.

-  [Download Screen PDF](#)
-  [Download Print PDF](#)
-  [Send this article to a friend](#)
-  [Print this page](#)

[search](#)

[\[advanced search\]](#)

[copyright 2003](#)

[terms and conditions](#)

[login](#)