



Volume 5, Issue 4, Article 93

Some Considerations on the Monotonicity Property of Power Means

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Keywords: Jensen's inequality, Monotonicity, Power means
Date Received: 15/09/04
Date Accepted: 13/10/04
Subject Codes: 26D15
Editors: [Alexandru Lupas \(1942-2007\)](#),

Abstract: If A is an isotonic linear functional and $f : [a, b] \rightarrow (0, \infty)$ is a monotone function then $Q(r, f) = (f^r(a) + f^r(b) - A(f^r))^{1/r}$ is increasing in r .



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