

## COMPARISON OF DIFFERENCES AMONG POWER MEANS $Q_{r,\alpha}(a, b, \mathbf{x})$ s

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*Abstract.* It is shown that the differences of the power means  $Q_{r,\alpha}(a, b, \mathbf{x})$ s associated to the distinct sequences of weights are comparable, in terms of some constants depending on the smallest and largest quotients of the weights. Applications to the theory of operator inequalities are given.

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