COMPARISON AND SUBHOMOGENEITY OF INTEGRAL MEANS

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Abstract. The differential and integral means were defined and studied by Elezović and Pečarić [3]. They gave sufficient conditions for the comparison of two integral (differential) means and applied this to obtain some other inequalities.

Our aim is to give necessary and sufficient conditions for the comparison of two integral means and in this way improve theorems 2, 3 of [3]. We also deal with the subhomogeneity and homogeneity of integral means. As they are special Cauchy means we can use the method of the author [7] to prove our results.

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