

REVERSED HARDY INEQUALITY FOR C -MONOTONE FUNCTIONS

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Abstract. In this paper, we will give general Hardy and reversed Hardy type inequalities for a generalized class of monotone functions. Moreover we will give n -exponential convexity, exponential convexity and related results for some functionals obtained from the differences of these inequalities. At the end we will give mean value theorems and Cauchy means for these functionals.

Mathematics subject classification (2010): 26D15, 26A48.

Keywords and phrases: C -monotone functions, reversed Hardy inequality, exponentially convex functions, Cauchy means.

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