NEW HERMITE–HADAMARD TYPE INEQUALITIES FOR
(\(\alpha, m\))–CONVEX FUNCTIONS AND APPLICATIONS TO SPECIAL MEANS

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Abstract. In this paper, some new results involving the left-hand side of the Hermite-Hadamard type inequalities for the class of functions whose second derivatives in absolute value at certain powers are \((\alpha, m)\)-convex functions are obtained. Some applications to special means of real numbers are also given.


Keywords and phrases: Hadamard’s inequality, \((\alpha, m)\)-convex function, Hölder inequality, power-mean inequality.

REFERENCES


