PROPERTIES OF FUNCTIONS RELATED TO HADAMARD TYPE INEQUALITY AND APPLICATIONS

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Abstract. The aim of this paper is first to generalize Hadamard’s inequality. Further, Schur $m$-power convex of the associated continuous function of two variables by utilize the Hadamard type inequalities are obtained. As applications, a inequality related special mean is established. And we also improve Jordan’s inequality.


Keywords and phrases: Hadamard’s inequality, Jordan’s inequality, Schur $m$-power convexity, Schur convexity, mean.

REFERENCES