SCHUR–CONVEX FUNCTIONS RELATED TO HADAMARD–TYPE INEQUALITIES

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Abstract. The Schur-convexity on the upper and the lower limit of the integral for a mean of the convex function is researched. As applications, a generalized logarithmic mean with a parameter is obtained and a relevant double inequality that is an extension of the known inequality is established.


Key words and phrases: Schur-convex function, inequality, Hadamard’s inequality; generalized logarithmic mean.

REFERENCES