

## HERMITE–HADAMARD’S INEQUALITIES FOR MULTIVARIATE $g$ -CONVEX FUNCTIONS

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*Abstract.* Refinements of generalized Hermite-Hadamard’s inequalities for multivariate  $g$ -convex functions are given. Since special instances of the  $g$ -convex functions include the  $r$ -convex and the logarithmically convex functions, those inequalities also give refinements of the Hermite-Hadamard’s inequalities for these families of functions.

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