

REMARKS ON SHERMAN LIKE INEQUALITIES FOR (α, β) -CONVEX FUNCTIONS

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Abstract. In this paper, Sherman's inequality is extended from convex functions to the class of (α, β) -convex functions including (k, h) -convex functions. Sherman's type results corresponding to Jensen-Steffensen, Mercer-Steffensen and Brunk inequalities are established. The obtained results are applied to mixed (α, β) -convex functions.

Mathematics subject classification (2010): 39B62, 26D15.

Keywords and phrases: Majorization, Schur-convex function, convex function, (α, β) -convex function, (k, h) -convex function, h -convex function, Toader's c -convex function, Breckner's s -convex function.

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