

## REMARKS ON SHERMAN LIKE INEQUALITIES FOR $(\alpha, \beta)$ -CONVEX FUNCTIONS

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*Abstract.* In this paper, Sherman's inequality is extended from convex functions to the class of  $(\alpha, \beta)$ -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  $(\alpha, \beta)$ -convex functions.

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