

## GENERALIZATION OF MAJORIZATION THEOREM VIA TAYLOR'S FORMULA

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*Abstract.* We give generalization of majorization theorem for the class of  $n$ -convex functions by using Taylor's formula. We use inequalities for the Čebyšev functional to obtain bounds for the identities related to generalizations of majorization inequalities. We present mean value theorems and  $n$ -exponential convexity for the functional obtained from the generalized majorization inequalities. At the end we discuss the results for particular families of function and give means.

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