

## EXPONENTIAL CONVEXITY AND JENSEN'S INEQUALITY FOR DIVIDED DIFFERENCES

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*Abstract.* In this paper we obtain means which involve divided differences for  $n$ -convex functions. We examine their monotonicity property using exponentially convex functions.

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*Keywords and phrases:* Jensen inequality, divided differences,  $n$ -convex function, Schur convex function, log-convexity, exponentially convex function, majorization, continuous extensions, Schur means.

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