

GENERALIZATIONS AND IMPROVEMENTS OF CONVERSE JENSEN'S INEQUALITY FOR CONVEX HULLS IN \mathbb{R}^k

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Abstract. In this paper we prove generalizations and improvements of Lah-Ribarič and related inequalities for convex functions on convex hulls in \mathbb{R}^k and, analogously, for convex functions on k -simplices in \mathbb{R}^k . We also verify that one of them is a generalization and an improvement of the Hermite-Hadamard inequality for simplices.

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