

## ON A JENSEN-TYPE INEQUALITY FOR $F$ -CONVEX FUNCTIONS

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*Abstract.* In this paper we present a counterpart of the Jensen inequality for  $F$ -convex functions. We present it in three forms: discrete, integral and operator. As we will see, the generality of the received results will allow to obtain, in particular cases, Jensen-type inequalities for strongly convex functions and superquadratic functions.

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