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.


Keywords and phrases: $F$-convex functions, support theorems, strongly convex functions, superquadratic functions, Jensen-type inequalities.

REFERENCES