ON γ–QUASICONVEXITY, SUPERQUADRACITY AND TWO–SIDED REVERSED JENSEN TYPE INEQUALITIES

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Abstract. In this paper we deal with γ-quasiconvex functions when $-1 \leqslant \gamma \leqslant 0$, to derive some two-sided Jensen type inequalities. We also discuss some Jensen-Steffensen type inequalities for 1-quasiconvex functions. We compare Jensen type inequalities for 1-quasiconvex functions with Jensen type inequalities for superquadratic functions and we extend the result obtained for γ-quasiconvex functions to more general classes of functions.

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