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Semicontinuity and quasiconvex functions. (English) Zbl 0892.90145
J. Optimization Theory Appl. 94, No. 3, 715-726 (1997).

Summary: Criteria are derived for quasiconvex functions under lower semicontinuity and upper semicontinuity conditions. The results thus obtained generalize earlier results for convex functions. We also give new conditions under which a given function is r -convex in the sense given by Avriel.

MSC:

90C25 Convex programming

26B25 Convexity of real functions of several variables, generalizations

Cited in **10** Documents

Keywords:

r -convexity; quasiconvex functions; lower semicontinuity; upper semicontinuity

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