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**Vectorial D.C. functions. (Fonctions D.C. vectorielles.)** (French. English summary)

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Summary: At first, under assumption checked in certain problems, we show that any continuous mapping which can be written as Difference of Convex mappings (D.C. mapping) admits a continuous decomposition, and on the other hand, we prove a result of integration of a mapping, and then we characterize a D.C. locally Lipschitz mappings in terms of vector subdifferential of continuous convex mappings.

**MSC:**

49J52 Nonsmooth analysis

49N15 Duality theory (optimization)

Cited in 1 Document

**Keywords:**

continuous mapping; difference of convex mappings; D.C. mapping; D.C. locally Lipschitz mappings; vector subdifferential