

On quasimonotone variational inequalities

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Abstract

In this paper, we study variational inequalities with multivalued mappings. By employing Fan's lemma, we establish the existence result for the dual formulation of variational inequalities with semi-strictly quasimonotone mappings. We also show that similar results for quasimonotone variational inequalities do not hold.

Keywords

Dual formulation of variational inequalities, Multivalued mappings, Semistrictly quasimonotone mappings