

Konnov, I. V.; Yao, J. C.

On the generalized vector variational inequality problem. (English) Zbl 0878.49006
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This paper studies vector variational inequalities with set-valued mappings. Existence results are established by applying Fan's lemma also known as KKM theorem. A generalized vector complementarity problem is also introduced.

Reviewer: [X.Q.Yang](#) (Nedlands)

MSC:

[49J40](#) Variational inequalities

[90C33](#) Complementarity and equilibrium problems and variational inequalities (finite dimensions) (aspects of mathematical programming)

Cited in **2** Reviews

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Keywords:

vector variational inequality; set-valued map; Banach space; KKM theorem; vector complementarity problem

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