

**Bianchi, Monica; Pini, Rita**

**Sensitivity for parametric vector equilibria.** (English) Zbl 1149.90156

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The authors consider a parametric vector equilibrium problem in topological vector spaces, or in metric spaces. They study the upper stability of the map of the solutions  $S = S(\lambda)$ , providing results in the peculiar framework of generalized monotone functions. In the particular case of a single valued solution map, they provide conditions for the Hölder regularity of  $S$  in both cases when  $K$  is fixed and also when it depends on a parameter.

Reviewer: Jeon Sheok Ume (Changwon)

**MSC:**

**90C31** Sensitivity, stability, parametric optimization

**47N10** Applications of operator theory in optimization, convex analysis, mathematical programming, economics

**54C60** Set-valued maps in general topology

**90C29** Multi-objective and goal programming

**90C47** Minimax problems in mathematical programming

**91B50** General equilibrium theory

Cited in **51** Documents

**Keywords:**

parametric vector equilibrium problems; upper hemicontinuity of the solutions; vector generalized monotonicity

**Full Text:** [DOI](#)

**References:**

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