**Le, Vy Khoi**

**On quasi-variational inequalities with discontinuous multivalued lower order terms given by bifunctions.** (English) Zbl 1363.58011

Differ. Integral Equ. 28, No. 11-12, 1197-1232 (2015).

The paper studies a class of quasi-variational inequalities with the leading term expressed by a second-order elliptic operator of Leray-Lions type and with discontinuous multivalued lower-order term and a convex function. The treated problem can be formulated equivalently as an inclusion. The existence of solutions is obtained through the method of sub-supersolutions.

Reviewer: Dumitru Motreanu (Perpignan)

**MSC:**

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|---|---|
| 58E35 | Variational inequalities (global problems) in infinite-dimensional spaces |
| 47J20 | Variational and other types of inequalities involving nonlinear operators (general) |
| 47J25 | Iterative procedures involving nonlinear operators |
| 35J87 | Unilateral problems for nonlinear elliptic equations and variational inequalities with nonlinear elliptic operators |



**Keywords:**

quasi-variational inequality; second-order elliptic operator; sub-supersolutions; convex analysis