

Coincidence point results via variational inequalities

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November 22, 2012

Abstract. In these papers we establish some existence results of the solution for general variational inequalities. Further, by making use of the class of operators of type ql, we establish some existence results of the solution for an extended general variational inequality already considered in the literature. We also treat the case when the operators involved are multi-valued. As applications we obtain several coincidence point results in Hilbert spaces.

Keywords: General variational inequality; α -inverse strongly monotone operator; Strict pseudocontractive mapping; Operator of type ql; Multi-valued variational inequality; KKM application; Fan's minimax theorem; Coincidence point;

2000 Mathematics Subject Classification: 46A50; 47H04; 54A20; 58C07

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