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Sensitivity analysis for a parametric multi-valued implicit quasi variational-like inclusion.

In this paper, using proximal-point mapping of strongly maximal P - η -monotone mapping and the property of the fixed-point set of multi-valued contractive mapping, we study the behaviour and sensitivity analysis of the solution set of a parametric generalized implicit quasi-variational-like inclusion involving strongly maximal P - η -monotone mapping in real Hilbert space. Further, under suitable conditions, we discuss the Lipschitz continuity of the solution set with respect to the parameter. The technique and results presented in this paper can be viewed as extension of the techniques in the existing literature. (Received December 07, 2014)