EXISTENCE THEOREMS FOR SOME SYSTEMS OF QUASI–VARIATIONAL INEQUALITIES PROBLEMS ON UNIFORMLY PROX–REGULAR SETS

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Abstract. In this paper, some systems of quasi-variational inequality problems are considered on a class of nonconvex sets, as uniformly prox-regular sets. Some sufficient conditions for the existence solution of the considered problems are provided. Also, some interesting remarks are discussed. The results which are presented in this paper are more general, and may be viewed as an extension, improvement and refinement of the previously known results in the litterateurs.

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