PERTURBATION STRATEGY FOR SPLITTING OPERATOR METHOD TO SOLVE THE SET–VALUED VARIATIONAL INEQUALITIES

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Abstract. In this paper, we suggest a new perturbation strategy for a splitting operator method for solving the set-valued variational inequalities with strongly monotone and compact mappings, under the mild condition, and prove the global convergence of the method. Also, we discuss the self-adaptive strategy and find the approximate solution of the set-valued variational inequality problems.

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