

A Parallel Method for Variational Inequalities with the Multiple-sets Split Feasibility Problem Constraints

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Abstract: In this paper we propose a parallel method for solving a strongly variational inequality over the multiple-sets split feasibility problem. Strong convergence of the iterative process is proved. As a consequence, we get a strongly convergent algorithm for finding the minimum-norm solution of the multiple-sets split feasibility problem. A simple numerical example is given to illustrate the proposed parallel algorithm.

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