

## ON MULTIVALUED GENERAL MIXED VARIATIONAL INEQUALITIES

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*Abstract.* In this paper, we suggest and analyze a new class of predictor-corrector algorithms for solving multivalued general mixed variational inequalities by using the auxiliary principle technique. The convergence of the proposed method only requires partially relaxed strongly monotonicity of the operator, which is weaker than co-coercivity. As special cases, we obtain a number of known and new results for solving various classes of variational inequalities. Our results represent a refinement of the previously known results.

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