

RESOLVENT OPERATOR METHODS FOR GENERAL VARIATIONAL INCLUSIONS

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ABSTRACT. In this contribution, we introduce a new class of variational inclusions. Using the resolvent operator method, we establish the equivalence between the variational inclusions and the fixed point problem. This equivalent formulation is used to suggest an iterative method for solving the variational inclusions. We also consider the convergence criteria of the iterative method. Several special cases are also discussed.