

## A NEW EXTRAGRADIENT METHOD FOR PSEUDOMONOTONE VARIATIONAL INEQUALITIES

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*Abstract.* In this paper, we consider and analyze a new extragradient method for solving pseudomonotone variational inequalities. The new method converges for pseudomonotone Lipschitz continuous operators, which is a weaker condition than monotonicity. The new iterative method includes the extragradient method as a special case. Our proof of convergence is very simple as compared with other methods.

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