

## Abstract

In this paper, we are presenting a new methodology for seeking a common solution to the problem of variational inequality for the monotone and Lipschitz continuous operator and also the set of fixed points of a quasi-non-expansive map in real Hilbert space. The proposed methodology is based on a subgradient, extragradient and inertial method that would not demand any prior knowledge of the operator's Lipschitz constant. The weak convergence of the method is discussed within appropriate assumptions. We also include an numerical example to show the accuracy and applicability of the new algorithm.