

## Weak convergence of inertial proximal algorithms with self adaptive stepsize for solving multivalued variational inequalities

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In this talk, I present inertial proximal point-type algorithms for solving multivalued variational inequality problems in real Hilbert spaces. These algorithms are designed based on the proximal point method with the self-adaptive and inertial techniques. Convergence results are established under mild assumptions, and we further present the nonasymptotic  $O(\frac{1}{k})$  convergence rate of the proposed algorithms.

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