

Iterative Algorithm for extended mixed equilibrium problem

ABSTRACT

In this paper, we introduce and study an extended mixed equilibrium problem by using auxiliary principle technique. A generalized predictor-corrector iterative algorithm is defined for solving extended mixed equilibrium problem. The convergence of the method mentioned requires some condition (*), g -relatively relaxed Lipschitz continuity and relatively g -relaxed monotonicity of the mappings.

Keyword: Equilibrium; Algorithm; Relatively-relaxed; Auxiliary principle; Mapping