

Inertial method for a solution of Split Equality of Monotone Inclusion and the \mathbb{F} -Fixed Point Problems in Banach Spaces

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Abstract

In this paper, we propose an inertial algorithm for solving split equality of monotone inclusion and \mathbb{F} -fixed point of Bregman relatively \mathbb{F} -nonexpansive mapping problems in reflexive real Banach spaces. Using the Bregman distance function, we prove a strong convergence theorem for the algorithm produced by the method in real reflexive Banach spaces. As an application, we provide several applications of our method. Furthermore, we give a numerical example to demonstrate the behavior of the convergence of the algorithm.

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