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Some results for equilibrium problems and fixed point problems in Hilbert spaces. (English)

Zbl 1223.47075

J. Comput. Anal. Appl. 11, No. 2, 294-316 (2009).

The purpose of this paper is to study the strong convergence of a general iterative scheme to find a common element of the set of common fixed points of a finite family of nonexpansive mappings, the set of solutions of variational inequality for a relaxed cocoercive mapping and the set of solutions of an equilibrium problem.

MSC:

47J25 Iterative procedures involving nonlinear operators

47H09 Contraction-type mappings, nonexpansive mappings, A -proper mappings, etc.

47H10 Fixed-point theorems

Cited in **1** Review
Cited in **2** Documents

Keywords:

nonexpansive mapping; viscosity approximation method; equilibrium problem; fixed point