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ITERATIVE METHODS FOR FIXED POINTS AND EQUILIBRIUM PROBLEMS

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ABSTRACT. In this paper, a new iterative scheme by hybrid method is constructed. Strong convergence of the scheme to a common element of the set of fixed points of an infinite family of relatively quasi-nonexpansive mappings and set of common solutions to a system of equilibrium problems in a uniformly convex real Banach space which is also uniformly smooth is proved. Our results extend important recent results.

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