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**Strong convergence theorems for monotone mappings and relatively weak nonexpansive mappings**

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**Abstract**

In this paper, we prove strong convergence theorems to a zero of monotone mapping and a fixed point of relatively weak nonexpansive mapping. Moreover, strong convergence theorems to a point which is a fixed point of relatively weak nonexpansive mapping and a solution of a certain variational problem are proved under appropriate conditions. © 2008 Elsevier Ltd. All rights reserved.

**Author Keywords**

$\gamma$ -inverse strongly monotone mappings; Generalized projection; Monotone mappings; Strong convergence; Strongly monotone mappings; variational inequality problems

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