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STRONG CONVERGENCE THEOREMS OF IMPLICIT ITERATES WITH ERRORS FOR NON-LIPSCHITZIAN ASYMPTOTICALLY QUASI-NONEXPANSIVE TYPE MAPPINGS

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Abstract. The aim of this paper is to study composite implicit iterative process with errors for two finite families of non-Lipschitzian asymptotically quasi-nonexpansive type mappings. In this paper, we have obtained a necessary and sufficient condition to converge to common fixed points for proposed scheme and mappings and also obtained a strong convergence theorem by using *Condition* (B') in the framework of real Banach spaces.

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