

**Convergence theorems for a new class of Nonspreading-type mappings in
Hilbert spaces**

by

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Abstract: We extend the recent weak and strong convergence theorems of Kurokawa and Takahashi (Nonlinear Analysis (2010), doi:10.1016/j.na.2010.04.060) from the class of nonspreading mappings to a more general class of k -strictly pseudononspreading mappings.

Keywords and Phrases: Hilbert spaces, k -strictly pseudononspreading mappings, nonspreading mappings, fixed points, mean ergodic theorem, weak convergence, strong convergence.