Dedicated to Prof. Hong-Kun Xu on the occasion of his 60th anniversary

Split equality fixed point problems for asymptotically quasi-pseudocontractive operators

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Abstract.
In this paper, we consider a split equality fixed point problem for asymptotically quasi-pseudo contractive ope-
rators which includes split feasibility problem, split equality problem, split fixed point problem etc, as special
cases. Furthermore we propose a new algorithm for solving the split equality fixed point problem, and prove
a weak and strong convergence theorem. The results obtained in this paper generalize and improve the recent
ones announced by many others.

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