Dedicated to Professor Yeol Je Cho on the occasion of his retirement

Solving split equality common fixed point problem for infinite families of demicontractive mappings

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ABSTRACT.

In this paper, we consider the split equality common fixed point problem of infinite families of demicontractive mappings in Hilbert spaces. We introduce a simultaneous iterative algorithm for solving the split equality common fixed point problem of infinite families of demicontractive mappings and prove a strong convergence of the proposed algorithm under some control conditions.

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