

# SHRINKING HYBRID DESCENT-LIKE METHODS FOR NONEXPANSIVE MAPPINGS AND SEMIGROUPS

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## TÓM TẮT:

In this paper, we introduce some new iteration methods based on the hybrid method in mathematical programming and the descent-like method for finding a fixed point of a nonexpansive mapping and a common fixed point of a nonexpansive semigroup in Hilbert spaces. The main results in this paper modify and improve some well-known results in the literature