Common fixed points for $\mathcal{P}$-operator pair with applications

H.K. Pathak [a], N. Hussain [b,*]

[a] School of Studies in Mathematics, Pt. Ravishankar Shukla University, Raipur (C.G.) 492010, India
[b] King Abdul Aziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia

ARTICLE INFO

ABSTRACT

The existence of common fixed point results for new classes of noncommuting selfmaps satisfying generalized I-contraction or I-nonexpansive type conditions is established. As applications several invariant best approximation results are proved which unify, extend, and complement the well-known results.

© 2010 Elsevier Inc. All rights reserved.