

Abstract

To prove the existence of optimal coincidence point, best proximity point in b-fuzzy metric space for two mappings satisfying certain contractive conditions. Also prove some proximal theorems which provide the existence of an optimal approximate solution to some operator equations which are not solvable. With the help of fuzzy α - η - generalized proximal contraction and fuzzy β - ψ - generalized proximal contraction in the setting of b- fuzzy metric spaces, we prove the existence of optimal coincidence point and best proximity point.