Abstract

The present study introduce the notion of (ψ, φ)-Contractive maps in weak non-Archimedean fuzzy metric spaces to derive a common fixed point theorem which complements and extends the main theorems of [C.Vetro, Fixed points in weak non-Archimedean fuzzy metric spaces, Fuzzy Sets and System, 162(2011), 84-90] and [D.Mihet, Fuzzy ψ-contractive mappings in
non-Archimedean fuzzy metric spaces, Fuzzy Sets and System, 159(2008) 739-744]. We support our result by establishing an application to product spaces.

**Reference**

Fixed Point Theorems for $(\psi, \phi)$-Contractive maps in Weak non-Archimedean Fuzzy Metric Spaces and Application

Index Terms

Computer Science

Fuzzy Systems

Key words

Common fixed points

Non-Archimedean fuzzy metric space

$(\psi, \phi)$-contractive maps