Abstract

The present study introduce the notion of weak compatibility and E. A. property for mixed g-monotone mappings in setting of intuitionistic fuzzy metric space and utilize these perceptions to prove a coupled fixed point theorem for such nonlinear contractive mappings. More to the point together with several recent developments, the efforts of this work can be used to explore a large category of problems. An example is also established for the support of our result.

References

Coupled Fixed Point Theorem in Intuitionistic Fuzzy Metric Space using E. A. Property

- Pant, R. P. 1999. R-weak commutatibility and common fixed points, Soochow Journal
Coupled Fixed Point Theorem in Intuitionistic Fuzzy Metric Space using E. A. Property


Index Terms

- Computer Science
- Fuzzy Systems

Keywords
- Intuitionistic Fuzzy metric space
- Coupled coincidence point
- Mixed g-monotone
- Weakly compatible mappings
- E. A. property