Common Fixed Point Theorem for weakly compatible mappings in Intuitionistic Fuzzy Metric Spaces

Abstract

The present paper deals with a common fixed point theorem for weakly compatible mappings using condition of integral type in an intuitionistic fuzzy metric space. This result discovers the possibility of the idea of reciprocal continuity and weakly compatible maps to the problem of finding common fixed point of six mappings.

References

- L. A. Zadeh, Fuzzy sets, inform and control 8(1965), 338-353.
- S. Muralisankar and G. Kalpana, Common Fixed Point Theorem in Intuitionistic Fuzzy

**Index Terms**

Computer Science  
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**Keywords**

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