Abstract

The aim of this paper is to present common fixed point theorem in fuzzy metric spaces, for four self maps, satisfying implicit relations. The results of B. Singh and M.S. Chauhan[16] are generalized in this paper. Also, the application of fixed points is studied for the Product spaces.

Reference

- B. Fisher, Mapping with a common fixed point, Math seminar Notes, Kobe Univ, 7 (1979), 81-84.
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**Index Terms**

Computer Science

Fuzzy Systems

**Key words**

Fuzzy metric space

-chainable fuzzy metric space

-compatible
mappings
weakly compatible mappings

implicit relation

common fixed point