Abstract

The aim of this paper is to study some properties of \( \tau \)-induced fuzzy supra topological spaces by utilizing \( \tau \)-lower semi-continuous functions. Next the connection between properties of a topological space \((X, T)\) and \( \tau \)-induced fuzzy supra topological space \((X, S(\tau))\) are studied. Finally the concept of fuzzy supra \( \tau \)-S-closed space with the notion of fuzzy supra \( \tau \)-semi open set are introduced.

References

- Bhattacharya, Baby, and Mukherjee, Anjan, "On Fuzzy supra S-Closed Spaces".
On \( \mathcal{N} \)-Induced Fuzzy Supra Topological Spaces and Fuzzy Supra \( \mathcal{N} \)-S-closed Spaces

Index Terms

Computer Science

Fuzzy Systems
Keywords

Topology  Induced fuzzy topology  \( \alpha \)-induced fuzzy supra topological space  fuzzy supra \( \alpha \)-semi open set

fuzzy supra \( \alpha \)-S-closed space