

The Versatility Of Fuzzy Graph Theory In Addressing Uncertainty In Data

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Abstract: *The purpose of the work is to extend the application of dominations in fuzzy graphs to many real-world scenarios in the fields of science and design, as well as to acknowledge the importance of fuzzy graph hypothetical notions. Due to its many applications in the natural sciences, biomedical, atomic material science, interpersonal organizations, PC and correspondence, and other fields, it is considered an important advancement. The areas where a vast number of people are connected are known as interpersonal organizations. A wireless sensor network remote system made up of geographically dispersed independent sensors that monitor environmental or physical parameters like pressure, temperature, sound, and so on and transmit their data to a central location via the system. This article provides an overview of the applications of fuzzy graph theory across several domains.*

Keywords: Fuzzy Graph, Domination of fuzzy graph, Edge Domination of fuzzy graph