

A UNIFYING FIELD IN LOGICS: NEUTROSOPHIC LOGIC.

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Abstract

The author makes an introduction to non-standard analysis, then extends the dialectics to neutrosophy which became a new branch of philosophy. This new concept helps in generalizing the intuitionistic, paraconsistent, dialetheism, fuzzy logic to neutrosophic logic which is the first logic that comprises paradoxes and distinguishes between relative and absolute truth. Similarly, the fuzzy set is generalized to neutrosophic set. Also, the classical and imprecise probabilities are generalized to neutrosophic probability.

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