



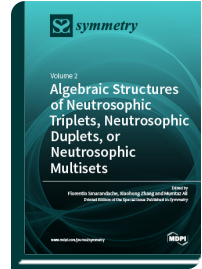
Special Issue Reprint

Algebraic Structures of Neutrosophic Triplets, Neutrosophic Duplets, or Neutrosophic Multisets

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Neutrosophy (1995) is a new branch of philosophy that studies triads of the form ($\langle A \rangle$, $\langle \text{neut}A \rangle$, $\langle \text{anti}A \rangle$), where $\langle A \rangle$ is an entity [i.e. element, concept, idea, theory, logical proposition, etc.], $\langle \text{anti}A \rangle$ is the opposite of $\langle A \rangle$, while $\langle \text{neut}A \rangle$ is the neutral (or indeterminate) between them, i.e., neither $\langle A \rangle$ nor $\langle \text{anti}A \rangle$.

Based on neutrosophy, the neutrosophic triplets were founded, which have a similar form (x , $\text{neut}(x)$, $\text{anti}(x)$), that satisfy several axioms, for each element x in a given set.

This collective book presents original research papers by many neutrosophic researchers from around the world, that report on the state-of-the-art and recent advancements of neutrosophic triplets, neutrosophic duplets, neutrosophic multisets and their algebraic structures – that have been defined recently in 2016 but have gained interest from world researchers.

Connections between classical algebraic structures and neutrosophic triplet / duplet / multiset structures are also studied.

And numerous neutrosophic applications in various fields, such as: multi-criteria decision making, image segmentation, medical diagnosis, fault diagnosis, clustering data, neutrosophic probability, human resource management, strategic planning, forecasting model, multi-granulation, supplier selection problems, typhoon disaster evaluation, skin lesion detection, mining algorithm for big data analysis, etc.



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