

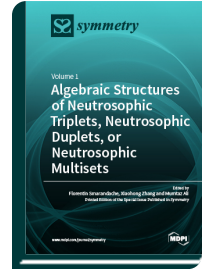


Special Issue Reprint

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

www.mdpi.com/books/reprint/1204

Edited by
Florentin Smarandache
Xiaohong Zhang
Mumtaz Ali



ISBN 978-3-03897-384-3 (Softback)
ISBN 978-3-03897-385-0 (PDF)

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.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/1204

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.