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## Topological and Algebraic Structures in Fuzzy Sets A Handbook of Recent Developments in the Mathematics of Fuzzy Sets Trends in Logic

By -

Springer. Paperback. Book Condition: New. Paperback. 470 pages. Dimensions: 9.2in. x 6.1in. x 1.1in. This volume summarizes recent developments in the topological and algebraic structures in fuzzy sets and may be rightly viewed as a continuation of the standardization of the mathematics of fuzzy sets established in the Handbook, namely the Mathematics of Fuzzy Sets: Logic, Topology, and Measure Theory, Volume 3 of The Handbooks of Fuzzy Sets Series (Kluwer Academic Publishers, 1999). Many of the topological chapters of the present work are not only based upon the foundations and notation for topology laid down in the Handbook, but also upon Handbook developments in convergence, uniform spaces, compactness, separation axioms, and canonical examples; and thus this work is, with respect to topology, a continuation of the standardization of the Handbook. At the same time, this work significantly complements the Handbook in regard to algebraic structures. Thus the present volume is an extension of the content and role of the Handbook as a reference work. On the other hand, this volume, even as the Handbook, is a culmination of mathematical developments motivated by the renowned International Seminar on Fuzzy Set Theory, also known as the Linz Seminar,...

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