1. Record Nr.   UNINA9910483057203321

Autore   Atanassov Krassimir T

Titolo   Interval-Valued Intuitionistic Fuzzy Sets / / by Krassimir T. Atanassov

Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020

ISBN   3-030-32090-1

Edizione   [1st ed. 2020.]

Descrizione fisica   1 online resource (XI, 200 p. 69 illus., 1 illus. in color.)

Collana   Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 388

Disciplina   511.322
                  511.3223

Soggetti   Computational intelligence
                  Knowledge representation (Information theory)
                  Operations research
                  Management science
                  Pattern perception
                  Computational Intelligence
                  Knowledge based Systems
                  Operations Research, Management Science
                  Pattern Recognition

Lingua di pubblicazione   Inglese

Formato   Materiale a stampa

Livello bibliografico   Monografia

Nota di contenuto   On Brouwer's Intuitionism and Intuitionistic Fuzziness -- On IVIFSs -- Relations and operations over IVIFSs -- Operators over IVIFSs -- Interval valued intuitionistic fuzzy pairs -- Applications of IVIFSs -- Conclusion and remarks on future research.

Sommario/riassunto   The book offers a comprehensive survey of interval-valued intuitionistic fuzzy sets. It reports on cutting-edge research carried out by the founder of the intuitionistic fuzzy sets, Prof. Krassimir Atanassov, giving a special emphasis to the practical applications of this extension. A few interesting case studies, such as in the area of data mining, decision making and pattern recognition, among others, are discussed in detail. The book offers the first comprehensive guide on interval-valued intuitionistic fuzzy sets. By providing the readers with a thorough survey and important practical details, it is expected to

support them in carrying out applied research and to encourage them to test the theory behind the sets for new advanced applications. The book is a valuable reference resource for graduate students and researchers alike.