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| Autore                  | Mukherjee Anjan  |
| Titolo                  | Generalized Rough Sets [[electronic resource]] : Hybrid Structure and Applications / / by Anjan Mukherjee  |
| Pubbl/distr/stampa      | New Delhi : , : Springer India : , : Imprint : Springer, , 2015  |
| ISBN                    | 81-322-2458-2  |
| Edizione                | [1st ed. 2015.]  |
| Descrizione fisica      | 1 online resource (XIII, 160 p. 1 illus.)  |
| Collana                 | Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 324   |
| Disciplina              | 511.322  |
| Soggetti                | Computational intelligence<br>Computational complexity<br>Algorithms<br>Computational Intelligence<br>Complexity<br>Mathematics of Algorithmic Complexity  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Includes index.  |
| Nota di contenuto       | Introduction to Fuzzy Sets, Rough Sets and Soft Sets -- On Generalised Interval-Valued Intuitionistic Fuzzy Soft Sets -- Soft Rough Intuitionistic Fuzzy Sets -- Interval-Valued Intuitionistic Fuzzy Soft Rough Sets -- Interval Valued Intuitionistic Fuzzy Soft Topological Spaces -- Interval Valued Intuitionistic Fuzzy Soft Multi-sets and their Relations -- Interval Valued Neutrosophic Soft Sets -- Topological Structure formed by Soft Multi Sets and Soft Multi Compact Spaces -- Soft Interval Valued Intuitionistic Fuzzy Rough Sets -- IF Parameterized Intuitionistic Fuzzy Soft Set Theories On Decisions-Making.                     |
| Sommario/riassunto      | The book introduces the concept of “generalized interval valued intuitionistic fuzzy soft sets”. It presents the basic properties of these sets and also, investigates an application of generalized interval valued intuitionistic fuzzy soft sets in decision making with respect to interval of degree of preference. The concept of “interval valued intuitionistic fuzzy soft rough sets” is discussed and interval valued intuitionistic fuzzy soft rough set based multi criteria group decision making scheme is presented, which refines the primary evaluation of the whole expert group and enables us to select the optimal object in a most |

reliable manner. The book also details concept of interval valued intuitionistic fuzzy sets of type 2. It presents the basic properties of these sets. The book also introduces the concept of “interval valued intuitionistic fuzzy soft topological space (IVIFS topological space)” together with intuitionistic fuzzy soft open sets (IVIFS open sets) and intuitionistic fuzzy soft closed sets (IVIFS closed sets).

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