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Titolo	Decision Making Theories and Methods Based on Interval-Valued Intuitionistic Fuzzy Sets [[electronic resource] /] / by Shuping Wan, Jiuying Dong
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Nota di contenuto	A possibility degree method for interval-valued intuitionistic fuzzy multi-attribute group decision making -- A new method for Atanassov's interval-valued intuitionistic fuzzy MAGDM with incomplete attribute weight information -- Interval-valued intuitionistic fuzzy mathematical programming method for hybrid multi-criteria group decision making with interval-valued intuitionistic fuzzy truth degrees -- A selection method based on MAGDM with interval-valued intuitionistic fuzzy sets, Mathematical Problems in Engineering -- Aggregating decision information into interval-valued intuitionistic fuzzy numbers for heterogeneous multi-attribute group decision making -- A novel method for group decision making with interval-valued Atanassov intuitionistic fuzzy preference relations -- Additive consistent interval-valued Atanassov intuitionistic fuzzy preference relation and likelihood comparison algorithm based group decision

making -- A three-phase method for group decision making with interval-valued intuitionistic fuzzy preference relations -- A group decision-making method considering both the group consensus and multiplicative consistency of interval-valued intuitionistic fuzzy preference relations.

Sommario/riassunto

This is the first book to provide a comprehensive and systematic introduction to the ranking methods for interval-valued intuitionistic fuzzy sets, multi-criteria decision-making methods with interval-valued intuitionistic fuzzy sets, and group decision-making methods with interval-valued intuitionistic fuzzy preference relations. Including numerous application examples and illustrations with tables and figures and presenting the authors' latest research developments, it is a valuable resource for researchers and professionals in the fields of fuzzy mathematics, operations research, information science, management science and decision analysis.
