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Titolo	Intuitionistic Fuzzy Calculus // by Qian Lei, Zeshui Xu
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 168 p. 74 illus., 21 illus. in color.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 353
Disciplina	511.313
Soggetti	Computational intelligence Operations research Management science Decision making Mathematical statistics Computational Intelligence Operations Research, Management Science Operations Research/Decision Theory Probability and Statistics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 Basic Concepts Related to Intuitionistic Fuzzy Numbers -- 2 Derivatives and Differentials of Intuitionistic Fuzzy Functions -- 3 Integrals of Intuitionistic Fuzzy Functions -- 4 Aggregation Operations of Continuous Intuitionistic Fuzzy Information -- 5 Relationships among IFWA Operator, IFIA Operator and Definite Integrals of IFFs -- 6 Complement Theory of Intuitionistic Fuzzy Calculus -- References. .
Sommario/riassunto	This book offers a comprehensive and systematic review of the latest research findings in the area of intuitionistic fuzzy calculus. After introducing the intuitionistic fuzzy numbers' operational laws and their geometrical and algebraic properties, the book defines the concept of intuitionistic fuzzy functions and presents the research on the derivative, differential, indefinite integral and definite integral of intuitionistic fuzzy functions. It also discusses some of the methods that have been successfully used to deal with continuous intuitionistic

fuzzy information or data, which are different from the previous aggregation operators focusing on discrete information or data. Mainly intended for engineers and researchers in the fields of fuzzy mathematics, operations research, information science and management science, this book is also a valuable textbook for postgraduate and advanced undergraduate students alike.

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