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Descrizione fisica	1 online resource (IX, 193 p. 34 illus., 30 illus. in color.)
Collana	Studies in Computational Intelligence ; ; Volume 696
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Soggetti	Mathematical optimization
	Uncertainty (Information theory)
Lingua di pubblicazione	Inglese
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Nota di contenuto	An Introduction to Generalized Uncertainty Optimization Generalized Uncertainty Theory: A Language for Information Deficiency The Construction of Flexible and Generalized Uncertainty Optimization Input Data An Overview of Flexible and Generalized Uncertainty Optimization Flexible Optimization Generalized Uncertainty Optimization References.
Sommario/riassunto	This book presents the theory and methods of flexible and generalized uncertainty optimization. Particularly, it describes the theory of generalized uncertainty in the context of optimization modeling. The book starts with an overview of flexible and generalized uncertainty optimization. It covers uncertainties that are both associated with lack of information and are more general than stochastic theory, where well-defined distributions are assumed. Starting from families of distributions that are enclosed by upper and lower functions, the book presents construction methods for obtaining flexible and generalized uncertainty input data that can be used in a flexible and generalized uncertainty optimization model. It then describes the development of the associated optimization model in detail. Written for graduate students and professionals in the broad field of optimization and operations research, this second edition has been revised and extended

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to include more worked examples and a section on interval multiobjective mini-max regret theory along with its solution method.