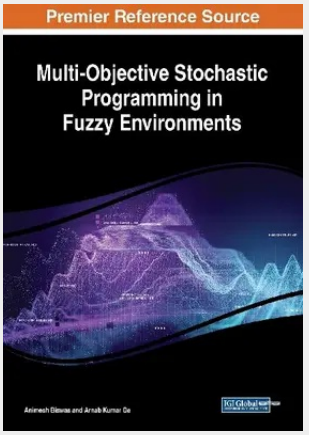
Engineering Science Reference

Multi-Objective Stochastic Programming in Fuzzy Environments



It is frequently observed that most decision-making problems involve several objectives, and the aim of the decision makers is to find the best decision by fulfilling the aspiration levels of all the objectives. Multi-objective decision making is especially suitable for the design and planning steps and allows a decision maker to achieve the optimal or aspired goals by considering the various interactions of the given constraints. Multi-Objective Stochastic Programming in Fuzzy Environments discusses optimization problems with fuzzy random variables following several types of probability distributions and different types of fuzzy numbers with different defuzzification processes in probabilistic situations. The content within this publication examines such topics as waste management, agricultural systems, and fuzzy set theory. It is designed for academicians, researchers, and students.

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169,00 €
169,00 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781522592969
Medium: Buch
ISBN: 978-1-5225-9296-9
Verlag: Engineering Science Reference
Erscheinungstermin: 25.01.2019
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2019
Produktform: Kartoniert
Gewicht: 822 g
Seiten: 440
Format (B x H): 178 x 254 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)