

1. Record Nr.	UNINA9910483443403321
Autore	Melin Patricia
Titolo	Extension of the Fuzzy Sugeno Integral Based on Generalized Type-2 Fuzzy Logic // by Patricia Melin, Gabriela E. Martinez
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-16416-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (73 pages)
Collana	SpringerBriefs in Computational Intelligence, , 2625-3704
Disciplina	511.3
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book presents an extension of the aggregation operator of the generalized interval type-2 Sugeno integral using generalized type-2 fuzzy logic. This extension enables it to handle higher levels of uncertainty when adding any number of sources and types of information in a wide variety of decision-making applications. The authors also demonstrate that the extended aggregation operator offers better performance than other traditional or extended operators. The book is a valuable reference resource for students and researchers working on theory and applications of fuzzy logic in various areas of application where decision making is performed under high levels of uncertainty, such as pattern recognition, time series prediction, intelligent control and manufacturing.