Introduction To Type-2 Fuzzy Logic Control. Theory and Applications. IEEE Press Series on Computational Intelligence

Description: An introductory book that provides theoretical, practical, and application coverage of the emerging field of type-2 fuzzy logic control

Until recently, little was known about type-2 fuzzy controllers due to the lack of basic calculation methods available for type-2 fuzzy sets and logic and many different aspects of type-2 fuzzy control still needed to be investigated in order to advance this new and powerful technology. This self-contained reference covers everything readers need to know about the growing field.

Written with an educational focus in mind, Introduction to Type-2 Fuzzy Logic Control: Theory and Applications uses a coherent structure and uniform mathematical notations to link chapters that are closely related, reflecting the book’s central themes: analysis and design of type-2 fuzzy control systems. The book includes worked examples, experiment and simulation results, and comprehensive reference materials. The book also offers downloadable computer programs from an associated website.

Presented by world-class leaders in type-2 fuzzy logic control, Introduction to Type-2 Fuzzy Logic Control:

- Is useful for any technical person interested in learning type-2 fuzzy control theory and its applications
- Offers experiment and simulation results via downloadable computer programs
- Features type-2 fuzzy logic background chapters to make the book self-contained
- Provides an extensive literature survey on both fuzzy logic and related type-2 fuzzy control

Introduction to Type-2 Fuzzy Logic Control is an easy-to-read reference book suitable for engineers, researchers, and graduate students who want to gain deep insight into type-2 fuzzy logic control.

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