Introduction to Type-2 Fuzzy Logic Control: Theory and Applications

Jerry Mendel, Hani Hagras, Woei-Wan Tan, William W. Melek, Hao Ying

Introduction To Type-2 Fuzzy Logic Control: Theory and Applications provides theoretical, practical and application coverage of the emerging field of type-2 fuzzy logic control. It uses a coherent structure and uniform mathematical notations to link chapters, which are closely related, reflecting the book’s central themes—analysis and design of type-2 fuzzy control systems. This book is written with an educational focus rather than a pure research focus (as in the case of a research-oriented edited book).

Each chapter includes worked examples, refers to its computer codes (programs) accessible through the book's common web site, and outlines how to use them at some high level. In addition, each chapter provides comprehensive reference materials. One single index covers all the chapters.

Written by world-class leaders in the field, Introduction To Type-2 Fuzzy Logic Control: Theory and Applications is a self-contained book for engineers, researchers, and college graduate students who want to gain deep insights about type-2 fuzzy logic control.

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