Introduction to Fuzzy Logic using MATLAB

By S.N. Sivanandam, S. Sumathi, S. N. Deepa

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This book provides a broad-ranging, but detailed overview of the basics of Fuzzy Logic. The fundamentals of Fuzzy Logic are discussed in detail, and illustrated with various solved examples. The book also deals with applications of Fuzzy Logic, to help readers more fully understand the concepts involved. Solutions to the problems are programmed using MATLAB 6.0, with simulated results. The MATLAB Fuzzy Logic toolbox is provided for easy reference.

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- Sales Rank: #3760151 in Books
- Published on: 2006-11-16
- Original language: English
- Number of items: 1
- Dimensions: .82" h x 6.32" w x 9.50" l, 1.65 pounds
- Binding: Hardcover
- 430 pages

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Review

From the reviews:

"This book constitutes a comprehensive and didactically appealing introduction to the essentials of fuzzy sets, fuzzy logic and their applications. The exposition of the material is presented in the commonly encountered computational framework of MATLAB. … The didactic value of the book is very good. … Examples and exercises are definitely a strong feature of the book … . Overall, the book can be regarded as an excellent introductory text to all newcomers to fuzzy sets interested in their fundamentals and applications." (Witold Pedrycz, Zentralblatt MATH, Vol. 1109 (11), 2007)

From the Back Cover

Fuzzy Logic, at present is a hot topic, among academicians as well various programmers. This book is provided to give a broad, in-depth overview of the field of Fuzzy Logic. The basic principles of Fuzzy Logic are discussed in detail with various solved examples. The different approaches and solutions to the problems given in the book are well balanced and pertinent to the Fuzzy Logic research projects. The applications of Fuzzy Logic are also dealt to make the readers understand the concept of Fuzzy Logic. The solutions to the problems are programmed using MATLAB 6.0 and the simulated results are given. The MATLAB Fuzzy Logic toolbox is provided for easy reference.

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The event that you get from Introduction to Fuzzy Logic using MATLAB is the more deep you excavating the information that hide into the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to know but Introduction to Fuzzy Logic using MATLAB giving you enjoyment feeling of reading. The writer conveys their point in particular way that can be understood through anyone who read the item because the author of this publication is well-known enough. This specific book also makes your own vocabulary increase well. So it is easy to understand then can go along, both in printed or e-book style are available. We highly recommend you for having that Introduction to Fuzzy Logic using MATLAB instantly.

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