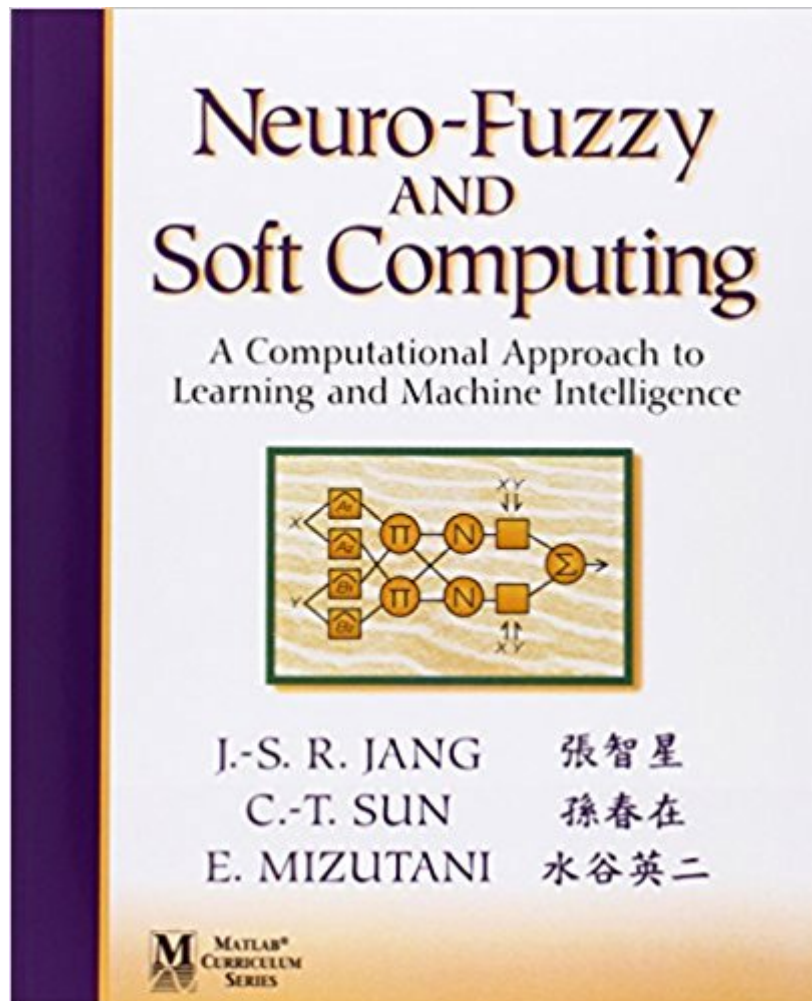


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Neuro-Fuzzy And Soft Computing: A Computational Approach To Learning And Machine Intelligence



Synopsis

Neuro-Fuzzy Modeling and Soft Computing places particular emphasis on the theoretical aspects of covered methodologies, as well as empirical observations and verifications of various applications in practice. Neuro-Fuzzy Modeling and Soft Computing is oriented toward methodologies that are likely to be of practical use. It includes exercises, some of which involve MATLAB programming tasks to provide readers with hands-on programming experiences for practical problem-solving. Each chapter also includes a reference list to the research literature so that readers may pursue topics in greater depth. This book is suitable as a self-study guide by researchers who want to learn basic and advanced neuro-fuzzy and soft computing within the framework of computational intelligence.

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The book provides a good overview to a wide disciplines of knowledge including fuzzy sets, neural nets, genetic algorithms and their composite use for developing high performance intelligent systems. The principles are explained with many examples and illustrations. The book is highly readable for its simplicity in presentation style. It is useful to anyone interested in this broad discipline.

A comprehensive guide concerned with understanding basics, modeling, analyzing Neuro-Fuzzy Networks. The examples and the illustrations are clear with a lot of Matlab codes. I recommend this

book.

perfect

This textbook is clearly written and includes many easy to follow examples. The Matlab software (available on the author's website) is indispensable in order to really understand the concepts.

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