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## Fuzzy Systems Theory and Its Applications From Academic Press

Fuzzy systems is a mathematical framework for dealing with uncertain, ambiguous, and approximate information. An alternative to traditional binary logic, fuzzy logic has proved to be better suited to solving complex, real world programming problems.\*\*This book provides a concise overview of fuzzy systems theory and its applications. Written by the leading scientists behind the successful Japanese fuzzy systems research effort, the goal of the book is to introduce fuzzy systems as a practical tool. After presenting the basics of fuzzy systems theory, the book presents practical applications of fuzzy systems theory in a wide variety of fields, including artificial intelligence and expert systems, diagnosis, control, robotics, image recognition, databases, and information retrieval.

- \* Provides a concise introduction to fuzzy systems theory
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- \* Written by leading Japanese researchers in fuzzy systems theory and applications

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