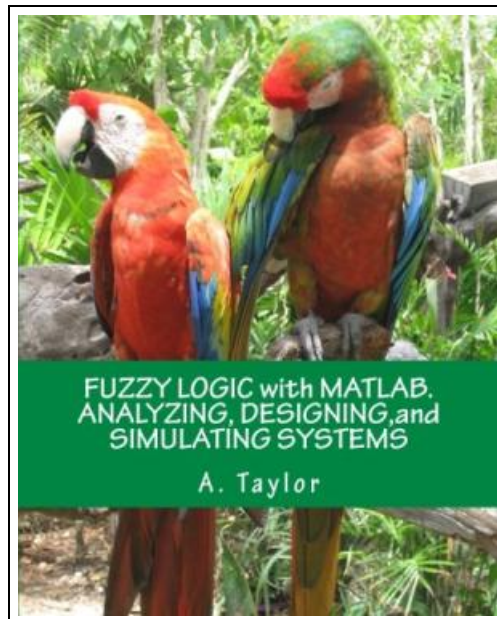


Fuzzy Logic with MATLAB. Analyzing, Designing, and Simulating Systems (Paperback)



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Reviews

It is one of the most popular books. It really is filled with wisdom and knowledge. You may like how the author publishes this PDF.
(Kellie Huels)

FUZZY LOGIC WITH MATLAB. ANALYZING, DESIGNING, AND SIMULATING SYSTEMS (PAPERBACK)



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Createspace Independent Publishing Platform, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Fuzzy Logic Toolbox provides MATLAB functions, apps, and a Simulink block for analyzing, designing, and simulating systems based on fuzzy logic. The book guides you through the steps of designing fuzzy inference systems. Functions are provided for many common methods, including fuzzy clustering and adaptive neuro fuzzy learning. The toolbox lets you model complex system behaviors using simple logic rules, and then implement these rules in a fuzzy inference system. You can use it as a stand-alone fuzzy inference engine. Alternatively, you can use fuzzy inference blocks in Simulink and simulate the fuzzy systems within a comprehensive model of the entire dynamic system. The most important features that this Toolbox provides are the following: -Fuzzy Logic Design app for building fuzzy inference systems and viewing and analyzing results -Membership functions for creating fuzzy inference systems -Support for AND, OR, and NOT logic in user-defined rules -Standard Mamdani and Sugeno-type fuzzy inference systems -Automated membership function shaping through neuroadaptive and fuzzy clustering learning techniques -Ability to embed a fuzzy inference system in a Simulink model -Ability to generate embeddable C code or stand-alone executable fuzzy inference engines.



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