
Description: Foundations of Fuzzy Control: A Practical Approach, Second Edition has been significantly revised and updated, with two new chapters on Gain Scheduling Control and Neurofuzzy Modelling. It focuses on the PID (Proportional, Integral, Derivative) type controller which is the most widely used in industry and systematically analyses several fuzzy PID control systems and adaptive control mechanisms.

This new edition covers the basics of fuzzy control and builds a solid foundation for the design of fuzzy controllers, by creating links to established linear and nonlinear control theory. Advanced topics are also introduced and in particular, common sense geometry is emphasised. Key features

- Sets out practical worked through problems, examples and case studies to illustrate each type of control system
- Accompanied by a website hosting downloadable MATLAB® programs
- Accompanied by an online course on Fuzzy Control which is taught by the author. Students can access further material and enroll at the companion website

Foundations of Fuzzy Control: A Practical Approach, Second Edition is an invaluable resource for researchers, practitioners, and students in engineering. It is especially relevant for engineers working with automatic control of mechanical, electrical, or chemical systems.

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