Master PID Control System Design and Automatic Tuning with MATLAB Simulink

Master the Art of PID Control

Unlock the secrets of PID control system design and automatic tuning with this comprehensive guide. Harness the power of MATLAB and Simulink,

the industry-leading tools for control engineering, to achieve exceptional system performance.

Whether you're a seasoned control engineer or just starting out, this book will provide you with the knowledge and skills you need to design and tune PID controllers that meet your specific requirements.

PID Control System Design and Automatic Tuning using MATLAB/Simulink: Design and Implementation using MATLAB/Simulink (IEEE Press) by Liuping Wang

4.2 out of 5

Language	: English
File size	: 28351 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 349 pages
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Paperback	: 150 pages
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Dimensions	: 6.69 x 0.29 x 9.61 inches

What You'll Learn

- The fundamentals of PID control
- How to design PID controllers using Bode plots, root locus, and other classical methods
- How to use MATLAB and Simulink to simulate and analyze PID control systems

- How to automatically tune PID controllers using optimization techniques
- How to apply PID control to real-world systems, such as motor control, temperature control, and motion control

Why This Book is Different

This book is not just another theoretical treatise on PID control. It's a practical guide that will help you apply PID control to real-world problems. You'll learn how to use MATLAB and Simulink to simulate and analyze PID control systems, and you'll get hands-on experience tuning PID controllers for a variety of applications.

By the end of this book, you'll be able to design and tune PID controllers that meet your specific requirements, and you'll have the confidence to apply PID control to any system you encounter.

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Don't wait, Free Download your copy of PID Control System Design and Automatic Tuning Using MATLAB Simulink today and start mastering the art of PID control.

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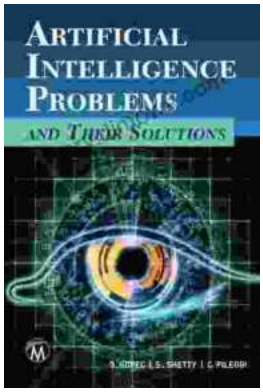

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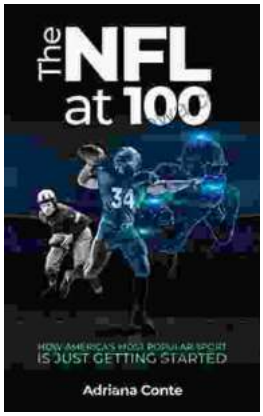

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