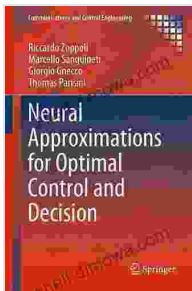


Neural Approximations For Optimal Control And Decision Communications And

Neural networks are a powerful tool for solving a wide range of problems in control and decision making. They can be used to approximate complex functions, model nonlinear systems, and learn from data. This book provides a comprehensive overview of the theory and applications of neural approximations for optimal control and decision communications.



Neural Approximations for Optimal Control and Decision (Communications and Control Engineering)

by Rebekah Sack

★★★★☆ 4.2 out of 5

Language : English

File size : 107249 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting: Enabled

Print length : 1051 pages



Neural Networks

Neural networks are a type of machine learning algorithm that is inspired by the human brain. They are composed of a large number of interconnected nodes, or neurons, that can learn to perform complex tasks by adjusting their weights and biases.

Neural networks can be used to approximate any continuous function. This makes them a powerful tool for solving problems in control and decision making, where it is often necessary to model complex systems or learn from data.

Optimal Control

Optimal control is the problem of finding the best way to control a system in Free Download to achieve a desired goal. Neural networks can be used to solve optimal control problems by approximating the value function, which is a function that represents the expected reward for taking a particular action in a given state.

Decision Communications

Decision communications is the problem of communicating information between two or more parties in Free Download to make a decision. Neural networks can be used to solve decision communications problems by approximating the communication channel, which is a function that represents the probability of a message being received correctly.

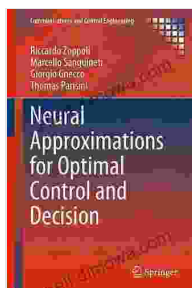
Applications

Neural approximations for optimal control and decision communications have a wide range of applications, including:

* Robotics * Autonomous vehicles * Manufacturing * Finance * Healthcare

Neural approximations are a powerful tool for solving a wide range of problems in control and decision making. This book provides a comprehensive overview of the theory and applications of neural approximations for optimal control and decision communications. It is a

valuable resource for researchers, students, and practitioners in these fields.



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