

Simulating Neural Networks With Mathematica

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Simulating Neural Networks With Mathematica

Readers will learn how to simulate neural network operations using Mathematica and will learn techniques for employing Mathematica to assess neural network behaviour and performance. It shows how this popular and widely available software can be used to explore neural network technology, experiment with various architectures, debug new training algorithms and design techniques for analyzing network performance.

Simulating Neural Networks with Mathematica: Freeman ...

Introduces the operations and application of neural networks in the context of Mathematica's programming language. Shows professionals and students how to use Mathematica to simulate neural network operations and to assess neural network behavior and performance. The electronic supplement provides the source code for the programs in the book.

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Simulating Neural Networks with Mathematica . 1993. Abstract. From the Publisher: application, in the context of the interactive Mathematica environment. Readers will learn how to simulate neural network operations using Mathematica, and will learn techniques for employing Mathematica to assess neural network behavior and performance. ...

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Neural Networks—Wolfram Language Documentation

TLDR: I am implementing a neural net in Mathematica and need help with back propagation. This is purely for the joy of implementing a neural network with a functional programming language. If someone is reading this with the serious intention of using a neural net in Mathematica, it's built in to version 11.

Implementing a Neural Network - Mathematica Stack Exchange

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This book introduces neural networks, their operation, and application, in the context of the interactive Mathematica environment. Readers will learn how to simulate neural network operations using Mathematica, and will learn techniques for employing Mathematica to assess neural network behavior and performance.

Simulating Neural Networks with Mathematica : James A ...

Several neural networks were developed in Mathematica in order to explore the role of "spiky" neurons in neural network memory simulations. Using Mathematica for this task confirmed its value as a powerful tool for neural network development: It exhibited distinct advantages over other environments in programming ease, flexibility of data structures, and the graphical assessment of network performance.

Reference request for neural network programming in ...

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