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The Neuron Book

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The NEURON Book: Chapter 6 November 21, 2004 control, and display and analysis of results. It is also appropriate for noninteractive simulations, such as "production" runs that generate large amounts of data for later analysis.

Chapter 6

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Each mammalian neuron consists of a cell body, dendrites, and

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an axon. The cell body contains the nucleus and cytoplasm. The axon extends from the cell body and often gives rise to many smaller branches before ending at nerve terminals. Dendrites extend from the neuron cell body and receive messages from other neurons.

The Neuron - BrainFacts

This book is about how to use the NEURON simulation environment to construct and apply empirically based models of neurons and neural networks. It is written primarily for neuroscience investigators, teachers, and students, but readers with a background in the physical sciences or mathematics who have some knowledge about brain cells and ...

Preface - The NEURON Book - Cambridge Core

We are often asked what neuroscience books we recommend, so we put together a small library of textbooks, neuroanatomy

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books, and books about various neuroscience topics for you to peruse! If you have brain-related books you'd like us to read, review, and/or add to the collection, feel free to send us an email ...

Brain Books - Knowing Neurons

The NEURON Book, Carnevale, N. T., and Hines M. L., (2006)
Parallel network simulations with NEURON, Migliore, Michele,
Cannia C, Lytton William W., Markram Henry, and Hines M. L.,
Journal of computational neuroscience, Volume 21, p.119-129,
(2006) 2005

Publications about NEURON | NEURON

The NEURON Book: Chapter 7 June 7, 2003 helpful for exploratory dissection of the time sequence of events in dynamically complex simulations. Graphs created from the NEURON Main Menu respond appropriately to all of these

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controls.

Chapter 7

2. OVERVIEW OF NEURON NEURON is intended to be a flexible framework for handling problems in which membrane properties are spatially inhomogeneous and where membrane currents are complex. Since it was designed specifically to simulate the equations that describe nerve cells, NEURON has three important advantages over general purpose simulation ...

The NEURON Simulation Environment

NEURON is a simulation environment for models of individual neurons and networks of neurons that are closely linked to experimental data. Recommend this book Email your librarian or administrator to recommend adding this book to your organisation's collection.

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A tour of the NEURON simulation environment (Chapter 1

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The NEURON Book. Cambridge, UK: Cambridge University Press, 2006. The authoritative reference on NEURON. Available from booksellers such as Amazon and, of course, Cambridge University Press.

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