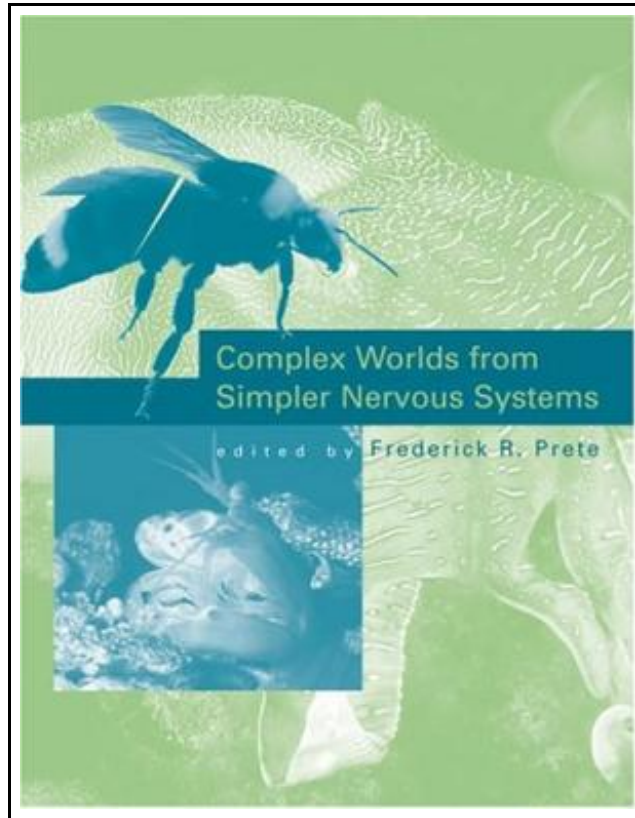


Complex Worlds from Simpler Nervous Systems



Filesize: 5.64 MB

Reviews

This ebook is wonderful. Of course, it really is perform, nevertheless an interesting and amazing literature. Its been printed in an extremely straightforward way and it is simply after i finished reading this ebook where in fact changed me, modify the way i believe.

(Prof. Maxwell Stracke)

COMPLEX WORLDS FROM SIMPLER NERVOUS SYSTEMS

[DOWNLOAD](#)

To download **Complex Worlds from Simpler Nervous Systems** eBook, make sure you refer to the button beneath and download the file or have access to other information which are relevant to COMPLEX WORLDS FROM SIMPLER NERVOUS SYSTEMS book.

MIT Press Ltd, United States, 2004. Paperback. Book Condition: New. 226 x 178 mm. Language: English . Brand New Book. The authors of *Complex Worlds from Simpler Nervous Systems* explain how animals with small, often minuscule, nervous systems -- jumping spiders, bees, praying mantids, toads, and others -- are not the simple reflex machines they were once thought to be. Because these animals live in the same world as do much larger species, they must meet the same environmental challenges. They do so by constructing complex perceptual worlds within which they can weigh options, make decisions, integrate unique experiences, apply complex algorithms, and execute plans -- and they must do this with thousands rather than the billions of neurons necessary for their larger counterparts. The authors of each chapter, leading neuroscientists and animal behaviorists, present their research in ways that allow the reader to understand this process from the animal's perspective. The first of the book's three parts, *Creating Visual Worlds: Using Abstract Representations and Algorithms*, examines the visual worlds of jumping spiders, honeybees, praying mantids, and toads. Part II, *Enhancing the Visual Basics: Using Color and Polarization*, explores color vision and light polarization perception in honeybees, butterflies, crayfish, mantis shrimps, and octopuses. The final part, *Out of Sight: Creating Extravisual Worlds*, examines the complex integration of visual and mechanosensory information in the cockroach and the unique auditory world of the unusual bladder grasshopper. All of these fascinating stories can be read both for what they teach us about the perceptual worlds of little animals, and for what they suggest about the general organizing principles of all central nervous systems, both simple and complex.

[Read Complex Worlds from Simpler Nervous Systems Online](#)[Download PDF Complex Worlds from Simpler Nervous Systems](#)

Related PDFs



[PDF] From Kristallnacht to Israel: A Holocaust Survivor s Journey

Access the link listed below to download "From Kristallnacht to Israel: A Holocaust Survivor s Journey" document.

[Save PDF »](#)



[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Access the link listed below to download "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" document.

[Save PDF »](#)



[PDF] THE Key to My Children Series: Evan s Eyebrows Say Yes

Access the link listed below to download "THE Key to My Children Series: Evan s Eyebrows Say Yes" document.

[Save PDF »](#)



[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Access the link listed below to download "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half" document.

[Save PDF »](#)



[PDF] The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)

Access the link listed below to download "The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)" document.

[Save PDF »](#)



[PDF] Programming in D: Tutorial and Reference

Access the link listed below to download "Programming in D: Tutorial and Reference" document.

[Save PDF »](#)