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Making Things Move DIY Mechanisms for Inventors, Hobbyists, and Artists *Precalculus with Limits: A Graphing Approach, AP* Edition* **Slave Stealers The Hardmen** *Janey the Vet* **Everyday Harumi** *The Ribbing Attachment Computational Neuroscience in Epilepsy* *Dynamical Systems in Neuroscience* **Neuronal Networks of the Hippocampus** **Vampire Solstice** Air Pollution The Noisy Brain *Biophysics of Computation* Signal Processing for Neuroscientists, A Companion Volume *Spikes* **Father Arseny** *Meridians and Acupoints* Neocortical Dynamics and Human EEG Rhythms *Renormalization Methods* *Look-Alikes Jr.* *"Plum Blossom" Needle Therapy* **Bayesian Brain** **Basic Theories of Traditional Chinese Medicine** Structural Stability And Morphogenesis **My Inventions** **Exploring Brain Functions**

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Everyday Harumi Jul 25 2022 In *Everyday Harumi*, now reissued as an attractive jacketed paperback, Harumi Kurihara, Japan's most popular cookery writer, selects her favourite foods and presents more than 60 new home-style recipes for you to make for family and friends. Harumi wants everyone to be able to make her recipes and she demonstrates how easy it is to cook Japanese food for every day occasions without needing to shop at specialist food stores. Using many of her favourite ingredients, Harumi presents recipes for soups, starters, snacks, party dishes, main courses and family feasts that are quick and simple to prepare, all presented in her effortless, down-to-earth and unpretentious approach to stylish living and eating. Every recipe is photographed and includes beautiful step-by-step instructions that show key Japanese cooking techniques. Texture and flavour are important to Japanese food and Harumi takes you through the basic sauces you can make at home and the staples you should have in your store cupboard. Photographed by award-winning photographer Jason Lowe, this warm and approachable cookbook invites you to cook and share Japanese food in a simple and elegant style.

Signal Processing for Neuroscientists, A Companion Volume Oct 16 2021 The popularity of signal processing in neuroscience is increasing, and with the current availability and development of computer hardware and software, it is anticipated that the current growth will continue. Because electrode fabrication has improved and measurement equipment is getting less expensive, electrophysiological measurements with large numbers of channels are now very common. In addition, neuroscience has entered the age of light, and fluorescence measurements are fully integrated into the researcher's toolkit. Because each image in a movie contains

multiple pixels, these measurements are multi-channel by nature. Furthermore, the availability of both generic and specialized software packages for data analysis has altered the neuroscientist's attitude toward some of the more complex analysis techniques. This book is a companion to the previously published *Signal Processing for Neuroscientists: An Introduction to the Analysis of Physiological Signals*, which introduced readers to the basic concepts. It discusses several advanced techniques, rediscovers methods to describe nonlinear systems, and examines the analysis of multi-channel recordings. Covers the more advanced topics of linear and nonlinear systems analysis and multi-channel analysis Includes practical examples implemented in MATLAB Provides multiple references to the basics to help the student

Look-Alikes Jr. Apr 10 2021 Welcome to Look-Alike Land, where the more you look, the more you see! Like its predecessor, *Look-Alikes Jr.* features 3-D picture puzzles, but this time invites even the youngest child to join in the fun by featuring simpler, easier-to-find look-alikes in childlike settings. There are 11 scenes - house, parlor, kitchen, bedroom, school bus, classroom, construction site, movie lobby, train, farm, and rocket - each with 50+ objects to identify (700+ in total). Look for a cement mixer made out of a mustard bottle, kitchen cabinets made out of cakes of soap, and a bed built with crayons and pasta! Fun for all ages. This best-selling book is back with a brand new series design and a striking new cover.

Basic Theories of Traditional Chinese Medicine Jan 07 2021 Traditional Chinese medicine has a long and complex history, yet the basic principles at the heart of practice have remained the same for hundreds of years. Without a solid understanding of these fundamental theories, effective practice is impossible, and this book provides a complete introduction to everything that students and practitioners, both new and experienced, need to know. The book describes and explains all of the fundamental principles of Traditional Chinese Medicine, including yin/yang, the five elements,

the 'zang and fu' organs, Zang Xiang, Qi, and the meridians and collaterals of the body. Explaining not only the principles upon which these elements work, but also how they interrelate, the book describes how they can be used in practice to identify, treat and prevent ill-health and disease. This thorough and accessible textbook, compiled by the China Beijing International Acupuncture Training Center (CBIATC), under the editorial directorship of leading Chinese clinicians Zhu Bing and Wang Hongcai, is essential reading for students of traditional Chinese medicine, and is also a useful basic reference for TCM practitioners.

"Plum Blossom" Needle Therapy Mar 09 2021

Slave Stealers Oct 28 2022 Follow two abolitionists who fought one of the most shockingly persistent evils of the world: human trafficking and sexual exploitation of slaves. Told in alternating chapters from perspectives spanning more than a century apart, read the riveting 19th century first-hand account of Harriet Jacobs and the modern-day eyewitness account of Timothy Ballard. Harriet Jacobs was an African-American, born into slavery in North Carolina in 1813. She thwarted the sexual advances of her master for years until she escaped and hid in the attic crawl space of her grandmother's house for seven years before escaping north to freedom. She published an autobiography of her life, *Incidents in the Life of a Slave Girl*, which was one of the first open discussions about sexual abuse endured by slave women. She was an active abolitionist, associated with Frederick Douglass, and, during the Civil War, used her celebrity to raise money for black refugees. After the war, she worked to improve the conditions of newly-freed slaves. As a former Special Agent for the Department of Homeland Security who has seen the horrors and carnage of war, Timothy Ballard founded a modern-day "underground railroad" which has rescued hundreds of children from being fully enslaved, abused, or trafficked in third-world countries. His story includes the rescue and his eventual adoption of two young siblings--Mia and Marky, who

were born in Haiti. Section 2 features the lives of five abolitionists, a mix of heroes from past to present, who call us to action and teach us life lessons based on their own experiences: Harriet Tubman--The "Conductor"; Abraham Lincoln--the "Great Emancipator"; Little Mia--the sister who saved her little brother; Guesno Mardy--the Haitian father who lost his son to slave traders; and Harriet Jacobs--a teacher for us all.

Vampire Solstice Feb 20 2022 For the Vampire community, the Solstice Choosing has been the holiest night of the year - for a hundred thousand years. But this year, something new is about to happen. The oldest prophecies are about to be fulfilled - and the Festival of Blessings is finally upon us.

Dynamical Systems in Neuroscience Apr 22 2022 Explains the relationship of electrophysiology, nonlinear dynamics, and the computational properties of neurons, with each concept presented in terms of both neuroscience and mathematics and illustrated using geometrical intuition. In order to model neuronal behavior or to interpret the results of modeling studies, neuroscientists must call upon methods of nonlinear dynamics. This book offers an introduction to nonlinear dynamical systems theory for researchers and graduate students in neuroscience. It also provides an overview of neuroscience for mathematicians who want to learn the basic facts of electrophysiology. *Dynamical Systems in Neuroscience* presents a systematic study of the relationship of electrophysiology, nonlinear dynamics, and computational properties of neurons. It emphasizes that information processing in the brain depends not only on the electrophysiological properties of neurons but also on their dynamical properties. The book introduces dynamical systems, starting with one- and two-dimensional Hodgkin-Huxley-type models and continuing to a description of bursting systems. Each chapter proceeds from the simple to the complex, and provides sample problems at the end. The book explains all necessary mathematical concepts using geometrical intuition; it includes many

figures and few equations, making it especially suitable for non-mathematicians. Each concept is presented in terms of both neuroscience and mathematics, providing a link between the two disciplines. Nonlinear dynamical systems theory is at the core of computational neuroscience research, but it is not a standard part of the graduate neuroscience curriculum—or taught by math or physics department in a way that is suitable for students of biology. This book offers neuroscience students and researchers a comprehensive account of concepts and methods increasingly used in computational neuroscience. An additional chapter on synchronization, with more advanced material, can be found at the author's website, www.izhikevich.com.

The Ribbing Attachment Jun 24 2022

Making Things Move DIY Mechanisms for Inventors,

Hobbyists, and Artists Dec 30 2022 Get Your Move On! In

Making Things Move: DIY Mechanisms for Inventors, Hobbyists, and Artists, you'll learn how to successfully build moving mechanisms through non-technical explanations, examples, and do-it-yourself projects--from kinetic art installations to creative toys to energy-harvesting devices. Photographs, illustrations, screen shots, and images of 3D models are included for each project. This unique resource emphasizes using off-the-shelf components, readily available materials, and accessible fabrication techniques. Simple projects give you hands-on practice applying the skills covered in each chapter, and more complex projects at the end of the book incorporate topics from multiple chapters. Turn your imaginative ideas into reality with help from this practical, inventive guide. Discover how to: Find and select materials Fasten and join parts Measure force, friction, and torque Understand mechanical and electrical power, work, and energy Create and control motion Work with bearings, couplers, gears, screws, and springs Combine simple machines for work and fun Projects include: Rube Goldberg breakfast machine Mousetrap powered car DIY motor with magnet

wire Motor direction and speed control Designing and fabricating spur gears Animated creations in paper An interactive rotating platform Small vertical axis wind turbine SADbot: the seasonally affected drawing robot Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

Janey the Vet Aug 26 2022 'Janey is like a whirlwind of selflessness. A beautiful spirit in a beautiful country doing a beautiful thing. I encourage my children to be more 'Janey'. With more positive spirits like Janey, the world would be a better place.' - Ben Fogle In 2014 and in her mid-twenties, Janey Lowes had been a vet for just two years when she left her home in County Durham and went travelling. Visiting Sri Lanka, she was horrified to see the state of so many of the island's dogs, in particular the three million strays. Over 5,000 miles from home, Janey decided there and then that she was going to move to the island indefinitely and do everything within her power to help them. She raised £10,000 to get started, setting up a charity called WECare Worldwide, and began work. Frightened, determined and excited all at the same time, she found a local who was willing to work with her and began scouring the streets for dogs in need. Some she patched up as best she could at the roadside, others she brought back and treated in a make-shift surgery she had cobbled together in her new home. With very little equipment, she and her small team came up with new and ingenious ways to treat the animals. In this highly inspiring and heartfelt book full of challenges and adventure, Janey introduces us to her world and the tireless work she carries out. As she says, 'I feel as though all these dogs are my dogs and I have a responsibility to them.' In it, we meet many of the colourful characters who have come to offer help, along with innumerable street dogs who have suffered all sorts of trauma and injury, only to be scooped up by Janey and her team and saved.

The Hardmen Sep 27 2022 It's time we all stopped whining and learned a thing or two from The Toughest Cyclists Ever. Including:

Stephen Roche, whose cure for exhaustion was to go up a gear and fight harder, all the way to the ambulance. Eddy Merckx, who hurt himself so badly in breaking the Hour record that, he estimated, he shortened his career by a year. Beryl Burton, who crushed her (male) rival's morale with the offer of a piece of liquorice, before speeding past to victory. Nicole Cooke and Edwig Van Hooydonck, who rejected dope and became legends. The Hardmen tells the stories - the good bits, anyway - of the 40 most heroic Cyclists ever. Their bravery, their panache and their Perfect Amount of Dumb. It reminds us that suffering on a bike liberates us from our daily lives, and that, in the words of Lance Armstrong "pain is temporary, quitting lasts forever"; proof that even assholes can be insightful.

Renormalization Methods May 11 2021 This book is unique in occupying a gap between standard undergraduate texts and more advanced texts on quantum field theory. It covers a range of renormalization methods with a clear physical interpretation (and motivation), including mean-field theories and high-temperature and low-density expansions. It then proceeds by easy steps to the famous epsilon-expansion, ending up with the first-order corrections to critical exponents beyond mean-field theory. Nowadays there is widespread interest in applications of renormalization methods to various topics ranging over soft condensed matter, engineering dynamics, traffic queueing and fluctuations in the stock market. Hence macroscopic systems are also included, with particular emphasis on the archetypal problem of fluid turbulence. The book is also unique in making this material accessible to readers other than theoretical physicists, as it requires only the basic physics and mathematics which should be known to most scientists, engineers and mathematicians.

Structural Stability And Morphogenesis Dec 06 2020 First Published in 2018. Routledge is an imprint of Taylor & Francis, an Informa company.

Father Arseny Aug 14 2021 "The stories of Father Arseny and his

work in the Soviet prison camps have captured the minds and hearts of readers all over the world. In this second volume readers will find additional narratives about Father Arseny newly translated from the most recent Russian edition."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

The Noisy Brain Dec 18 2021 The activity of neurons in the brain is noisy in that the neuronal firing times are random for a given mean rate. The Noisy Brain shows that this is fundamental to understanding many aspects of brain function, including probabilistic decision-making, perception, memory recall, short-term memory, attention, and even creativity. There are many applications too of this understanding, to for example memory and attentional disorders, aging, schizophrenia, and obsessive-compulsive disorder.

Exploring Brain Functions Oct 04 2020 Exploring Brain Functions Models in Neuroscience Edited by T. A. Poggio and D. A. Glaser This volume consists of the background papers and reports of discussion from the Dahlem Workshop. It focuses on the identification of appropriate models for brain functions and ways of evaluating them. A unique combination of key researchers involved in theoretical and experimental neurobiology addressed these issues from the following perspectives: Molecular and biophysical mechanisms of information processing; Forms and mechanisms of learning; Models of visual perception: case studies in brain functions; and Architectures of intelligent systems. This book provides a timely assessment of the state of theories involving the brain and their role in neuroscience today and tomorrow, from the point of view of theoreticians and experimentalists alike.

My Inventions Nov 05 2020 In 1919, Nikola Tesla wrote several articles for the magazine The Electrical Experimenter. These pieces have been gathered together here. In the last few decades of his life, he ended up living in diminished circumstances as a recluse in

Room 3327 of the New Yorker Hotel, occasionally making unusual statements to the press. Because of his pronouncements and the nature of his work over the years, Tesla gained a reputation in popular culture as the archetypal 'mad scientist'. He died impoverished and in debt on January 7, 1943. When he passed, Tesla didn't leave behind much material for the general public. Also, he didn't have many close friends who would have had insight into his life sufficient to write about him. Since *My Inventions* is an autobiography, it is unique in providing a glimpse into Tesla's mind and his private thoughts. It tells about the man, his motivations and the values that he held. *My Inventions* is a required read for anyone wanting to know more about one of the greatest inventors of the 20th century – and perhaps of all time. Contents - My Early Life - My First Efforts at Invention - My Later Endeavors - The Discovery of the Tesla Coil and Transformer - The Magnifying Transmitter - The Art of Telautomatics

Computational Neuroscience in Epilepsy May 23 2022 Epilepsy is a neurological disorder that affects millions of patients worldwide and arises from the concurrent action of multiple pathophysiological processes. The power of mathematical analysis and computational modeling is increasingly utilized in basic and clinical epilepsy research to better understand the relative importance of the multifaceted, seizure-related changes taking place in the brain during an epileptic seizure. This groundbreaking book is designed to synthesize the current ideas and future directions of the emerging discipline of computational epilepsy research. Chapters address relevant basic questions (e.g., neuronal gain control) as well as long-standing, critically important clinical challenges (e.g., seizure prediction). *Computational Neuroscience in Epilepsy* should be of high interest to a wide range of readers, including undergraduate and graduate students, postdoctoral fellows and faculty working in the fields of basic or clinical neuroscience, epilepsy research, computational modeling and bioengineering. Covers a wide range of

topics from molecular to seizure predictions and brain implants to control seizures Contributors are top experts at the forefront of computational epilepsy research Chapter contents are highly relevant to both basic and clinical epilepsy researchers

Neocortical Dynamics and Human EEG Rhythms Jun 12 2021

Underlying principles are considered in the context of a variety of EEG and MEG data, including spontaneous activity and transient and steady-state evoked potentials. Several connections between general theoretical ideas concerning predictions of coherent spatial structure in neocortical dynamics, such as standing waves, and actual data are also discussed.

Precalculus with Limits: A Graphing Approach, AP Edition Nov 29 2022* Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Spikes Sep 15 2021 Our perception of the world is driven by input from the sensory nerves. This input arrives encoded as sequences of identical spikes. Much of neural computation involves processing these spike trains. What does it mean to say that a certain set of spikes is the right answer to a computational problem? In what sense does a spike train convey information about the sensory world? *Spikes* begins by providing precise formulations of these and related questions about the representation of sensory signals in neural spike trains. The answers to these questions are then pursued in experiments on sensory neurons. The authors invite the reader to play the role of a hypothetical observer inside the brain who makes decisions based on the incoming spike trains. Rather than asking how a neuron responds to a given stimulus, the authors ask how the brain could make inferences about an unknown stimulus from a given neural response. The flavor of some problems faced by the organism is captured by analyzing the way in which the observer can make a running reconstruction of the sensory stimulus as it evolves in time. These ideas are illustrated by examples from

experiments on several biological systems. Intended for neurobiologists with an interest in mathematical analysis of neural data as well as the growing number of physicists and mathematicians interested in information processing by "real" nervous systems, Spikes provides a self-contained review of relevant concepts in information theory and statistical decision theory. A quantitative framework is used to pose precise questions about the structure of the neural code. These questions in turn influence both the design and analysis of experiments on sensory neurons.

Meridians and Acupoints Jul 13 2021 An in-depth understanding of the meridians and acupoints lies at the heart of effective practice in traditional Chinese medicine. This book outlines everything that practitioners and students need to know. The book explains how meridians relate to the major organs, where they are located in the body, and how they are linked to the healthy flow of Qi and blood. A large section of the book is devoted to descriptions of specific acupoints - their names, how to locate them, an introduction to the symptoms they can be used to treat, and how. Also included is a thorough introduction to the basics of acupuncture practice, including how to prepare a patient prior to treatment, how to insert and manipulate acupuncture needles, how and when to use moxibustion and cupping techniques, and what to do if treatment goes wrong. This useful and authoritative textbook, compiled by the China Beijing International Acupuncture Training Centre (CBIATC), under the editorial direction of leading Chinese clinicians Zhu Bing and Wang Hongcai, is essential reading for students of traditional Chinese medicine, and an excellent reference for acupuncture practitioners at all levels.

Air Pollution Jan 19 2022

Biophysics of Computation Nov 17 2021 Neural network research often builds on the fiction that neurons are simple linear threshold units, completely neglecting the highly dynamic and complex nature

of synapses, dendrites, and voltage-dependent ionic currents. **Biophysics of Computation: Information Processing in Single Neurons** challenges this notion, using richly detailed experimental and theoretical findings from cellular biophysics to explain the repertoire of computational functions available to single neurons. The author shows how individual nerve cells can multiply, integrate, or delay synaptic inputs and how information can be encoded in the voltage across the membrane, in the intracellular calcium concentration, or in the timing of individual spikes. Key topics covered include the linear cable equation; cable theory as applied to passive dendritic trees and dendritic spines; chemical and electrical synapses and how to treat them from a computational point of view; nonlinear interactions of synaptic input in passive and active dendritic trees; the Hodgkin-Huxley model of action potential generation and propagation; phase space analysis; linking stochastic ionic channels to membrane-dependent currents; calcium and potassium currents and their role in information processing; the role of diffusion, buffering and binding of calcium, and other messenger systems in information processing and storage; short- and long-term models of synaptic plasticity; simplified models of single cells; stochastic aspects of neuronal firing; the nature of the neuronal code; and unconventional models of sub-cellular computation. **Biophysics of Computation: Information Processing in Single Neurons** serves as an ideal text for advanced undergraduate and graduate courses in cellular biophysics, computational neuroscience, and neural networks, and will appeal to students and professionals in neuroscience, electrical and computer engineering, and physics.

Bayesian Brain Feb 08 2021 Experimental and theoretical neuroscientists use Bayesian approaches to analyze the brain mechanisms of perception, decision-making, and motor control.

Neuronal Networks of the Hippocampus Mar 21 2022 The questions of how a large population of neurons in the brain

functions, how synchronized firing of neurons is achieved, and what factors regulate how many and which neurons fire under different conditions form the central theme of this book. Important neurological techniques for the physiological reconstruction of a large biological neural network are presented.

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