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Consciousness and the Social Brain MIT Press
Aimed at graduate students and researchers, this book covers the key aspects of the modern quantum theory of solids, including up-to-date ideas such as quantum fluctuations and strong electron correlations. It presents in the main concepts of the modern quantum theory of solids, as well as a general description of the essential theoretical methods required when working with these systems. Diverse topics such as general theory of phase transitions, harmonic and anharmonic lattices, Bose condensation and superfluidity, modern aspects of magnetism including resonating valence bonds, electrons in metals, and strong electron correlations are treated using unifying concepts of order and elementary excitations. The main theoretical tools used to treat these problems are introduced and explained in a simple way, and their applications are demonstrated through concrete examples.

Consciousness and Qualia John Wiley & Sons
Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. Summary You can be incredibly productive with Azure without mastering every feature, function,

and service. Learn Azure in a Month of Lunches, Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications. About the book Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside Understanding Azure beyond point-and-click Securing applications and data Automating your environment Azure services for machine learning, containers, and more About the reader This book is for readers who can write and deploy simple web or client/server applications. About the author Iain Foulds is an engineer and senior content developer with Microsoft. Table of Contents PART 1 - AZURE CORE SERVICES 1 Before you begin 2 Creating a virtual machine 3 Azure Web Apps 4 Introduction to Azure Storage 5 Azure Networking basics PART 2 - HIGH AVAILABILITY AND SCALE 6 Azure Resource Manager 7 High availability and redundancy 8 Load-balancing applications 9 Applications that scale 10 Global databases with Cosmos DB 11 Managing network traffic and routing 12 Monitoring and troubleshooting PART 3 - SECURE BY DEFAULT 13 Backup,

recovery, and replication 14 Data encryption 15 Securing information with Azure Key Vault 16 Azure Security Center and updates PART 4 - THE COOL STUFF 17 Machine learning and artificial intelligence 18 Azure Automation 19 Azure containers 20 Azure and the Internet of Things 21 Serverless computing

Complex Dynamics of Glass-Forming Liquids John Benjamins Publishing
Consciousness and Qualia is a philosophical study of qualitative consciousness, characteristic examples of which are pains, experienced colors, sounds, etc. This study strives for phenomenological adequacy and thus the first-person point of view dominates throughout.

Elastic Behavior of Polymer Melts Oxford University Press on Demand
The aim of this successful book is to describe and analyse peculiarities of classical and quantum dynamics of a crystal as a spatially periodic structure. In the second revised and updated edition, the author focuses on low-dimensional models of crystals and on superlattices. Both traditional questions like the spectrum of vibrations, the idea of phonon gas, dislocations etc. and new aspects like the theory of quantum crystals, solitons in 1D crystals, dislocation theory of melting of 2D crystals etc. are discussed. The author gives an explanation of a set of phenomena which entered into solid state physics during the last decades. It is shown that the crystal properties are sensitive to the dimension of the crystal and its defect structure, and depend slightly on whether the periodic structure consists of atoms, or electrical dipoles, or magnetic moments (spins). Considerable attention is devoted to the dislocation mechanisms as a basis of the theory of plasticity and numerous technological applications of crystalline materials.

Managing Coarse Woody Debris in Forests of the Rocky

Mountains Pineapple Press Inc

A computer simulation model, FARSITE, includes existing fire behavior models for surface, crown, spotting, point-source fire acceleration, and fuel moisture. The model's components and assumptions are documented. Simulations were run for simple conditions that illustrate the effect of individual fire behavior models on two-dimensional fire growth.

Ontology of Consciousness John Wiley & Sons

This report describes a new set of standard fire behavior fuel models for use with Rothermels surface fire spread model and the relationship of the new set to the original set of 13 fire behavior fuel models. To assist with transition to using the new fuel models, a fuel model selection guide, fuel model crosswalk, and set of fuel model photos are provided.

Way to the Happiness of Peace Texas Tech University Press

Common Forest Trees of Hawaii, first published in 1989 as USDA Forest Service Agriculture Handbook 679, is an illustrated reference for identifying the common trees in the forests of Hawaii. Useful information about each species is also compiled, including Hawaiian, English, and scientific names; description; distribution within the islands and beyond; uses of wood and other products; and additional notes. The 152 species described and illustrated by line drawings comprise 60 native species (including 53 that are endemic), 85 species introduced after the arrival of Europeans, and 7 species introduced apparently by the early Hawaiians. One chapter is devoted to forests and forestry in Hawaii. Maps of the Hawaiian Islands show the physical features and place names, major forest types, and forest reserves and conservation districts. Each tree species is illustrated by a full-page line drawing.

The Fire and Fuels Extension to the Forest Vegetation Simulator DIANE Publishing

The objective of this study was to provide managers with national-level data on current conditions of vegetation and fuels developed from ecologically based methods to address these questions: How do current vegetation and fuels differ from those that existed historically? Where on the landscape do vegetation and fuels differ from historical levels? In particular, where are high fuel accumulations? When considered at a coarse scale, which areas estimated to have high fuel accumulations represent the highest priorities for treatment?

Kinetic theory of liquids Createspace Independent Publishing Platform

Amorphous condensed matter can exhibit complex motions on time scales which extend up to those relevant for the functioning of biomaterials. The book presents the derivation of a microscopic theory for amorphous matter, which exhibits the evolution of such complex motions as a new paradigm of strongly interacting particle systems.e

Checklist of United States Trees (native and Naturalized) Cambridge University Press

You live your entire waking life immersed in your inner experiences (thoughts, feelings, sensations and so on) – private phenomena created by you, just for you, your own way. Despite their intimacy and ubiquity, you probably do not know the characteristics of your own inner phenomena; neither does psychology or consciousness science. Investigating Pristine Inner Experience explores how to apprehend inner experience in high fidelity. This book will transform your view of your own inner experience, awaken you to experiential differences between people and thereby reframe your thinking about psychology and consciousness science, which banned the study of inner experience for most of a century and yet continued to recognize its fundamental importance. The author, a pioneer in using beepers to explore inner experience, draws on his 35 years of studies to provide fascinating and provocative views of everyday inner experience and experience in bulimia, adolescence, the elderly, schizophrenia, Tourette's syndrome, virtuosity and more.

Trees, Shrubs & Cacti of South Texas Cambridge University Press

Understanding the elastic properties of polymer melts is necessary for ensuring successful polymer processing and thus producing high-quality plastic parts. This unique book is the first to focus on this important topic. Starting with the molecular origin of elastic behavior and an explanation of the physical quantities involved, experimental methods and the dependence of elastic behavior on experimental parameters are then presented. Elastic properties of filled and unfilled systems are compared directly, and polymer blends are also considered. Elastic effects in various applications are included, such as in extrudate swell, internal stresses, and shrink films, to illustrate the importance of this field in the plastics processing industry.

Naturalized Exotic Tree Species in Puerto Rico University of Arizona Press

Florida ranks third in the U.S. in the number of plants about 4,000 species that cover its landscape. Here at last is an easy-to-use field guide to them all, chock-full of line drawings and color photos. This book will be useful to professional botanists, landscape architects, and homeowners alike.

Flora Hawaiiensis Manning Publications

"Invasive nonnative plants threaten native species with habitat loss, displacement, and severe population declines, thus seriously reducing biodiversity. Invasive Plants of California's Wildlands is a tremendous source for land managers and others who are interested in protecting the rich natural heritage of California and surrounding states."--John C. Sawhill, President and CEO, The Nature Conservancy

Standard Fire Behavior Fuel Models DIANE Publishing

Alaska Trees and Shrubs has been the definitive work on the woody plants of Alaska for more than three decades. This new, completely revised second edition provides updated information on habitat, as well as detailed descriptions of every tree or shrub species in the state. New distribution maps reflect the latest survey data, while the keys, glossary, and appendix on non-native plants make this the most useful guide to Alaska trees and shrubs ever published.

The Plastically Crystalline State Carl Hanser Verlag GmbH Co KG

Scholars from many different disciplines examine consciousness through the lens of intellectual approaches and cultures ranging from cosmology research and cell biophysics laboratories to pre-Columbian Mesoamerica and Tibetan Tantric Buddhism in a volume that extends consciousness studies beyond the limits of current neuroscience research. The "hard

problem" of today's consciousness studies is subjective experience: understanding why some brain processing is accompanied by an experienced inner life. Recent scientific advances offer insights for understanding the physiological and chemical phenomenology of consciousness. But by leaving aside the internal experiential nature of consciousness in favor of mapping neural activity, such science leaves many questions unanswered. In Ontology of Consciousness, scholars from a range of disciplines—from neurophysiology to parapsychology, from mathematics to anthropology and indigenous non-Western modes of thought—go beyond these limits of current neuroscience research to explore insights offered by other intellectual approaches to consciousness. These scholars focus their attention on such philosophical approaches to consciousness as Tibetan Tantric Buddhism, North American Indian insights, pre-Columbian Mesoamerican civilization, and the Byzantine Empire. Some draw on artifacts and ethnographic data to make their point. Others translate cultural concepts of consciousness into modern scientific language using models and mathematical mappings. Many consider individual experiences of sentience and existence, as seen in African communalism, Hindi psychology, Zen Buddhism, Indian vibhuti phenomena, existentialism, philosophical realism, and modern psychiatry. Some reveal current views and conundrums in neurobiology to comprehend sentient intellection. Contributors Karim Akerma, Matthijs Cornelissen, Antoine Courban, Mario Crocco, Christian de Quincey, Thomas B. Fowler, Erlendur Haraldsson, David. J. Hufford, Pavel B. Ivanov, Heinz Kimmerle, Stanley Krippner, Armand J. Labbé , James Maffie, Hubert Markl, Graham Parkes, Michael Polemis, E Richard Sorenson, Mircea Steriade, Thomas Szasz, Mariela Szirko, Robert A.F. Thurman, Edith L.B. Turner, Julia Watkin, Helmut Wautischer

Dynamical theory of crystal lattices Elsevier
Guide to the shrubs, trees, and cacti of Southern Texas, with descriptions and colored photographs of each plant.

Leguminosae of the United States Oxford University Press
What is consciousness and how can a brain, a mere collection of neurons, create it? In Consciousness and the Social Brain, Princeton neuroscientist Michael Graziano lays out an audacious new theory to account for the deepest mystery of them all. The human brain has evolved a complex circuitry that allows it to be socially intelligent. This social machinery has only just begun to be studied in detail. One function of this circuitry is to attribute awareness to others: to compute that person Y is aware of thing X. In Graziano's theory, the machinery that attributes awareness to others also attributes it to oneself. Damage that machinery and you disrupt your own awareness. Graziano discusses the science, the evidence, the philosophy, and the surprising implications of this new theory.

Southwestern Rare and Endangered Plants University of Alaska Press
Fire and Ecosystems focuses on a number of aspects of fire ecology. This book deals separately with both harmful and beneficial effects of fire on soils, soil organisms, animals, and plants. This reference material elucidates the effects of fire on grasslands and considers the role of fire in temperate forests and related ecosystems. Four chapters are presented on a regional basis to highlight variations in responses, especially plant succession, to fire. The use of fire in land management is also explored. This book will serve as an invaluable reference material to researchers, teachers, and land managers.

Elasticity and Anelasticity of Metals
Managing wildland fire in the U.S. is a challenge increasing in complexity & magnitude. The goals & actions presented in this report encourage a proactive approach to wildland fire to reduce its threat. Five major topic areas on the subject are addressed: the role of wildland fire in resource management; the use of wildland fire; preparedness & suppression; wildland/urban interface protection; & coordinated program management. Also presented are the guiding principle that are fundamental to wildland fire management & recommendations for fire management policies. Photos, graphs, & references.

Journal
The mixed grass and shrub vegetation known to scientists as desert grassland is common to the basins and valleys that skirt the mountain ranges throughout southwestern North America, extending from Arizona, New Mexico and Texas down through thirteen Mexican states. This variegated ground cover is crucial to life in an arid environment. The Desert Grassland offers the most comprehensive study to date of these flora and the rich biotic communities they support. Leading experts in geography, biology, botany, zoology, and geoscience present new research on the desert grassland and review a vast amount of earlier work. They reveal that present-day grasses once grew in the ice-age forests that existed in these areas before the climate dried and the trees vanished and how the intensity and frequency of fire can influence the plant and animal species of the grassland. They also document how the influence of humans—from Amerindians to contemporary ranchers, public land managers, and real estate developers—has changed the relative abundance of woody and herbaceous species and how the introduction of new plants and domesticated animals to the area has also affected biodiversity. The book concludes with a review of the attempts, both failed and successful, to reestablish plants in desert grasslands affected by overgrazing, drought, and farm abandonment. Meticulously researched and copiously illustrated, The Desert Grassland is a major contribution to ecological literature. For advanced lay readers as well as students and scholars of history, geography, and ecology, it will be a standard reference work for years to come.