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Activity Analysis *Time Series Analysis* **Complex Analysis with Applications** Advanced Vector Analysis **Complex Analysis with Applications Real Estate Investment Introducing Communication Theory** Functional Analysis *Social Network Based Big Data Analysis and Applications* **Progress in Pattern Recognition, Image Analysis and Applications Image Analysis Recent Advances in Fourier Analysis and Its Applications** Cross-Over Experiments **Principal Component Analysis** *Outlines and Highlights for Introducing Communication Theory* **Elementary Vector Analysis, with Application to Geometry and Physics** Variational Methods in Nonlinear Analysis **Data Analysis and Applications 1** Analysis and Application of Dynamic Patterns within the Context of Complaint Management Functional Analysis **Data Analysis and Related Applications, Volume 1** Design, Analysis and Application of Multi Coupling and Multi Channel Wireless Power Transfer Systems **Activity Analysis & Application** *Analysis, Numerics and Applications of Differential and Integral Equations 3D Shape Analysis* **Analysis and Application of Current Pulse Techniques in Electrochemical Kinetics** Circuit Analysis with Computer Application to Problem Solving *Big Data Statistical Meta-Analysis with Applications* Impact Analysis

Regression Analysis and its Application Application of Artificial Neural Network in Power System Analysis *Schaum's Outline of Fourier Analysis with Applications to Boundary Value Problems* **Bayesian Statistics and Its Applications** *Sensory Analysis* **Information Computing and Applications** Theory and Application of Statistical Energy Analysis **Regression Analysis** *Handbook of Research on Modeling, Analysis, and Application of Nature-Inspired Metaheuristic Algorithms* **Fractional Behaviors Modeling**

Image Analysis Dec 24 2021 Automatic image analysis has become an important tool in many fields of biology, medicine, and other sciences. Since the first edition of Image Analysis: Methods and Applications, the development of both software and hardware technology has undergone quantum leaps. For example, specific mathematical filters have been developed for quality enhancement of original images and for extraction of specific features of interest. Also, more complex programs have been developed for the analysis of object forms in distinguishing cancer cells from normal tissue cells. Just as

significant, three-dimensional analysis of proteins, organelles, or macroscopic objects is even more complex. In addition, recent space-based experiments have optimized techniques for the extraction of movement parameters of numerous motile objects. The second edition of Image Analysis: Methods and Applications addresses all these new developments. Moreover, two new chapters have been added. One focuses on images on the internet, and the other discusses microscope image restoration. These chapters add significantly to the existing body of information on Internet communication protocol and environment as well as to that on

image file formats considerations. The materials also include a list of internet Web sites that pertain to digital images and software along with those that relate to image processing. With these considerations in mind, Image Analysis: Methods and Application, Second Edition is of incalculable value to professionals, academics, and users of all aspects of image analysis in biology and other areas of science.

Activity Analysis & Application Dec 12 2020 In Activity Analysis and Application, Fourth Edition, the authors guide students through a thought process to the point of discerning meaningful and purposeful activities for use in occupational therapy intervention. There are additions and expansions included in this exciting, new edition to incorporate information from literature review, to clarify material used in previous editions, and to present relevant ideas that have emerged since the last revision. In this comprehensive fourth edition, a significant increase in theoretical material has been added, including three new chapters discussing occupation, learning strategies, and activity gradation and adaptation. This essential text for occupational therapy programs has been divided into four modules that describe the historical foundations of occupation as the basis for practice, and the dimensions, therapeutic utilization, and versatility of activity as treatment.NEW ON-LINE FORMS: Activity Analysis and Application, Fourth Edition includes updated forms to teach the thinking skills needed to incorporate activity into meaningful intervention. In addition, five of these useful forms are now available on our website for the students' convenience. This allows the students to download and print out the forms, which makes them easily available for class assignments and for use later in the workplace.

Outlines and Highlights for Introducing Communication Theory Aug 20 2021 Never HIGHLIGHT a Book Again! Virtually all of the

testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780073385075 .

Complex Analysis with Applications Sep 01 2022 This textbook is intended for a one semester course in complex analysis for upper level undergraduates in mathematics. Applications, primary motivations for this text, are presented hand-in-hand with theory enabling this text to serve well in courses for students in engineering or applied sciences. The overall aim in designing this text is to accommodate students of different mathematical backgrounds and to achieve a balance between presentations of rigorous mathematical proofs and applications. The text is adapted to enable maximum flexibility to instructors and to students who may also choose to progress through the material outside of coursework. Detailed examples may be covered in one course, giving the instructor the option to choose those that are best suited for discussion. Examples showcase a variety of problems with completely worked out solutions, assisting students in working through the exercises. The numerous exercises vary in difficulty from simple applications of formulas to more advanced project-type problems. Detailed hints accompany the more challenging problems. Multi-part exercises may be assigned to individual students, to groups as projects, or serve as further illustrations for the instructor. Widely used graphics clarify both concrete and abstract concepts, helping students visualize the proofs of many results. Freely accessible solutions to every-other-odd exercise are posted to the book's Springer website. Additional solutions for instructors' use may be obtained by contacting the authors directly.

Functional Analysis Mar 27 2022 Massive

compilation offers detailed, in-depth discussions of vector spaces, Hahn-Banach theorem, fixed-point theorems, duality theory, Krein-Milman theorem, theory of compact operators, much more. Many examples and exercises. 32-page bibliography. 1965 edition.

Advanced Vector Analysis Jul 31 2022

Introducing Communication Theory Apr 27 2022

Principal Component Analysis Sep 20 2021 This book provides new research on principal component analysis (PCA). Chapter One introduces typical PCA applications of transcriptomic, proteomic and metabolomic data. Chapter Two studies the factor analysis of an outcome measurement survey for science, technology and society. Chapter Three examines the application of PCA to performance enhancement of hyperspectral radiative transfer computations.

Statistical Meta-Analysis with Applications Jun 05 2020 "Statistical Meta-Analysis with

Applications presents the necessary statistical methodologies that allow readers to tackle the four main stages of meta-analysis: problem formulation, data collection, data evaluation, and data analysis and interpretation. Combining the authors' expertise on the topic with a wealth of up-to-date information, this book successfully introduces the essential statistical practices for making thorough and accurate discoveries across a wide array of diverse fields, such as business, public health, biostatistics, and environmental studies."--Jacket.

Functional Analysis Mar 15 2021 This book started its life as a series of lectures given by the second author from the 1970's onwards to students in their third and fourth years in the Department of Mechanics and Mathematics at Rostov State University. For these lectures there was also an audience of engineers and applied mechanicists who wished to understand the functional analysis used in contemporary research in their fields. These people were not

so much interested in functional analysis itself as in its applications; they did not want to be told about functional analysis in its most abstract form, but wanted a guided tour through those parts of the analysis needed for their applications. The lecture notes evolved over the years as the first author started to make more formal typewritten versions incorporating new material. About 1990 the first author prepared an English version and submitted it to Kluwer Academic Publishers for inclusion in the series Solid Mechanics and its Applications. At that state the notes were divided into three long chapters covering linear and nonlinear analysis. As Series Editor, the third author started to edit them. The requirements of lecture notes and books are vastly different. A book has to be complete (in some sense), self contained, and able to be read without the help of an instructor.

Elementary Vector Analysis, with Application to Geometry and Physics Jul 19 2021 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Variational Methods in Nonlinear Analysis Jun 17 2021 This well-thought-out book covers the fundamentals of nonlinear analysis, with a particular focus on variational methods and their

applications. Starting from preliminaries in functional analysis, it expands in several directions such as Banach spaces, fixed point theory, nonsmooth analysis, minimax theory, variational calculus and inequalities, critical point theory, monotone, maximal monotone and pseudomonotone operators, and evolution problems.

Analysis, Numerics and Applications of Differential and Integral Equations Nov 10 2020 Differential and integral equations are the most widely-used tools in the modelling of real-life processes and phenomena. This volume contains a number of papers on some recent important analytic and numerical developments in these fields, with direct application to linear and non-linear problems in continuum mechanics and mathematical physics.

Sensory Analysis Nov 30 2019

Complex Analysis with Applications Jun 29 2022 The basics of what every scientist and engineer should know, from complex numbers, limits in the complex plane, and complex functions to Cauchy's theory, power series, and applications of residues. 1974 edition.

Analysis and Application of Current Pulse Techniques in Electrochemical Kinetics Sep 08 2020

Impact Analysis May 05 2020 Throughout the social sciences, the gap between research and application is a reminder that the goals of scholars and practitioners are not always one and the same. Still, the best scholarship is often acknowledged to be that which informs practice, and the best practice--whether defined in terms of efficiency, flexibility, long-term vision, or even profit--is often that which is based on relevant research. This book presents a discussion among eminent researchers, practitioners, and consultants of the new field of "Impact Analysis." They address three central issues: *the practical ways in which scholars can better ensure that their work has an important influence on practice; *the pros and cons in forging a closer

connection between research, consulting, and practice; and *how, despite potential drawbacks, a closer relationship between research and practice can be mutually beneficial. In addition to practical advice, the participants offer predictions that will be of interest to applied researchers in this field and business-oriented professionals.

Data Analysis and Related Applications, Volume 1 Feb 11 2021 The scientific field of data analysis is constantly expanding due to the rapid growth of the computer industry and the wide applicability of computational and algorithmic techniques, in conjunction with new advances in statistical, stochastic and analytic tools. There is a constant need for new, high-quality publications to cover the recent advances in all fields of science and engineering. This book is a collective work by a number of leading scientists, computer experts, analysts, engineers, mathematicians, probabilists and statisticians who have been working at the forefront of data analysis and related applications. The chapters of this collaborative work represent a cross-section of current concerns, developments and research interests in the above scientific areas. The collected material has been divided into appropriate sections to provide the reader with both theoretical and applied information on data analysis methods, models and techniques, along with related applications.

Design, Analysis and Application of Multi Coupling and Multi Channel Wireless Power Transfer Systems Jan 13 2021
Time Series Analysis Oct 02 2022 This book presents an accessible approach to understanding time series models and their applications. The ideas and methods are illustrated with both real and simulated data sets. A unique feature of this edition is its integration with the R computing environment.
Big Data Jul 07 2020
Circuit Analysis with Computer Application to

Problem Solving Aug 08 2020

Application of Artificial Neural Network in Power System Analysis Mar 03 2020

Data Analysis and Applications 1 May 17 2021 This series of books collects a diverse array of work that provides the reader with theoretical and applied information on data analysis methods, models, and techniques, along with appropriate applications. Volume 1 begins with an introductory chapter by Gilbert Saporta, a leading expert in the field, who summarizes the developments in data analysis over the last 50 years. The book is then divided into three parts: Part 1 presents clustering and regression cases; Part 2 examines grouping and decomposition, GARCH and threshold models, structural equations, and SME modeling; and Part 3 presents symbolic data analysis, time series and multiple choice models, modeling in demography, and data mining.

Fractional Behaviors Modeling Jun 25 2019 The series is devoted to the publication of high-level monographs which cover progresses in fractional calculus research in mathematics and applications in physics, mechanics, engineering and biology etc. Methodological aspects e.g., theory, modeling and computational methods are presented from mathematical point of view, and emphases are placed in computer simulation, analysis, design and control of application-oriented issues in various scientific disciplines. It is designed for mathematicians, and researchers using fractional calculus as a tool in the field of physics, mechanics, engineering and biology. Contributions which are interdisciplinary and which stimulate further research at the crossroads of sciences and engineering are particularly welcomed. Editor-in-chief: Changpin Li, Shanghai University, China Editorial Board: Virginia Kiryakova, Bulgarian Academy of Sciences, Bulgaria Francesco Mainardi, University of Bologna, Italy Dragan Spasic, University of Novi Sad, Serbia Bruce Ian Henry, University of New South Wales, Australia

YangQuan Chen, University of California, Merced, USA Please submit book proposals to Leonardo Milla, leonardo.milla@degruyter.com **Bayesian Statistics and Its Applications** Jan 01 2020 In the last two decades, Bayesian Statistics has acquired immense importance and has penetrated almost every area including those where the application of statistics appeared to be a remote possibility. This volume provides both theoretical and practical insights into the subject with detailed up-to-date material on various aspects. It serves two important objectives - to offer a thorough background material for theoreticians and gives a variety of applications for applied statisticians and practitioners. Consisting of 33 chapters, it covers topics on biostatistics, econometrics, reliability, image analysis, Bayesian computation, neural networks, prior elicitation, objective Bayesian methodologies, role of randomisation in Bayesian analysis, spatial data analysis, nonparametrics and a lot more. The book will serve as an excellent reference work for updating knowledge and for developing new methodologies in a wide variety of areas. It will become an invaluable tool for statisticians and the practitioners of Bayesian paradigm.
Schaum's Outline of Fourier Analysis with Applications to Boundary Value Problems Jan 31 2020 For use as supplement or as textbook.
Social Network Based Big Data Analysis and Applications Feb 23 2022 This book is a timely collection of chapters that present the state of the art within the analysis and application of big data. Working within the broader context of big data, this text focuses on the hot topics of social network modelling and analysis such as online dating recommendations, hiring practices, and subscription-type prediction in mobile phone services. Manuscripts are expanded versions of the best papers presented at the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'2016), which was held in August 2016. The papers were

among the best featured at the meeting and were then improved and extended substantially. Social Network Based Big Data Analysis and Applications will appeal to students and researchers in the field.

Theory and Application of Statistical Energy Analysis Sep 28 2019 This up-to-date second edition provides a comprehensive examination of the theory and application of Statistical Energy Analysis (SEA) in acoustics and vibration. Complete with examples and data taken from real problems this unique book also explores the influence of computers on SEA and emphasizes computer based SEA calculations. In addition to a discussion of the relationship between SEA and other procedures used in response estimation, Theory and Application of Statistical Energy Anlaysis, Second Edition, explores the basic relationships between model and wave descriptions of systems.

Progress in Pattern Recognition, Image Analysis and Applications Jan 25 2022 This book constitutes the refereed proceedings of the 13th Iberoamerican Congress on Pattern Recognition, CIARP 2008, held in Havana, Cuba, in September 2008. The 93 revised full papers presented together with 3 keynote articles were carefully reviewed and selected from 182 submissions. The papers are organized in topical sections on signal analysis for characterization and filtering, analysis of shape and texture, analysis of speech and language, data mining, clustering of images and documents, statistical pattern recognition, classification and description of objects, classification and edition, geometric image analysis, neural networks, computer vision, image coding, associative memories and neural networks, interpolation and video tracking, images analysis, music and speech analysis, as well as classifier combination and document filtering.

Regression Analysis and its Application Apr 03 2020 Regression Analysis and Its Application: A Data-Oriented Approach answers the need for

researchers and students who would like a better understanding of classical regression analysis. Useful either as a textbook or as a reference source, this book bridges the gap between the purely theoretical coverage of regression analysis and its practical application. The book presents regression analysis in the general context of data analysis. Using a teach-by-example format, it contains ten major data sets along with several smaller ones to illustrate the common characteristics of regression data and properties of statistics that are employed in regression analysis. The book covers model misspecification, residual analysis, multicollinearity, and biased regression estimators. It also focuses on data collection, model assumptions, and the interpretation of parameter estimates. Complete with an extensive bibliography, Regression Analysis and Its Application is suitable for statisticians, graduate and upper-level undergraduate students, and research scientists in biometry, business, ecology, economics, education, engineering, mathematics, physical sciences, psychology, and sociology. In addition, data collection agencies in the government and private sector will benefit from the book.

Regression Analysis Aug 27 2019 An up-to-date, rigorous, and lucid treatment of the theory, methods, and applications of regression analysis, and thus ideally suited for those interested in the theory as well as those whose interests lie primarily with applications. It is further enhanced through real-life examples drawn from many disciplines, showing the difficulties typically encountered in the practice of regression analysis. Consequently, this book provides a sound foundation in the theory of this important subject.

Activity Analysis Nov 03 2022 To respond to the renewed focus by the occupational therapy profession upon occupation, the fifth edition of Activity Analysis and Application has been updated and renamed to reflect this latest

emphasis. While Activity Analysis: Application to Occupation, Fifth Edition maintains the sequential process of learning activity analysis, this step-by-step approach now helps students analyze activity for the purpose of optimizing the client's occupational performance. Gayle Hersch, Nancy Lamport, and Margaret Coffey successfully guide students through the development of clinical reasoning skills critical to planning a client's return to meaningful engagement in valued occupations. The authors utilize a straightforward teaching approach that allows students to progress developmentally in understanding both the analysis and application of activity to client intervention. The Occupational Therapy Practice Framework: Domain and Process, with a prominent focus on occupation as this profession's philosophical basis for practice, has been incorporated in the updated forms and explanations of the activity analysis approach. Activity Analysis: Application to Occupation, Fifth Edition is a worthy contribution to the professional education of occupational therapists in furthering their understanding and application of activity and occupation. Features: The newly titled Client-Activity Intervention Plan that synthesizes the activity analysis into client application. Objectives at the beginning of each unit. Discussion questions and examples of daily life occupations. A Web site including 5 forms where students and practitioners can download and print information for class assignments and clinical settings.

Analysis and Application of Dynamic Patterns within the Context of Complaint Management Apr 15 2021 Diploma Thesis from the year 2010 in the subject Business economics - Marketing, Corporate Communication, CRM, Market Research, Social Media, grade: 1,7, University of Augsburg, language: English, abstract: The aim of this paper is to illustrate common situations within the context of complaint management and to provide solution concepts with focus on

management decisions and actions. Therefore, we refer to a dynamic approach by applying so-called patterns, using System Dynamic (SD) in order to provide managers with a better understanding for common situations. Our target is to demonstrate how to build up an understanding for long-term or side effects that yet do not experience the necessary attention. In this case, we describe the situation itself, explain how responsible managers usually react (and why) and identify corresponding patterns. The reason why we decided to use patterns for this special purpose are the advantages that come along with their application. One the one hand, patterns enable us to identify existing mental models and decision structures. Thus, this knowledge makes it possible to develop actions that can be used to fasten and improve decision-making. On the other hand, we are able to analyze risks and failure options. This helps us to devise actions that ensure the sustainability of decisions. Looking at the decisions complaint

managers have to make everyday it seems obvious that we need to find a way that shows us how to improve decision-making. Considering the bounded rationality of humans, the target is to show ways that consider not only first thoughts but also the side or long-term effects of actions. By this, there is a certain focus on effects people are kind of "unable" to think of at once, such as multiple feedback loops. The approach illustrated in this paper is completely new. Though the design of complaint management has been topic of several research actions and focus of papers, nobody applied dynamic patterns particularly to this context until now. Current and past research often focused on what went wrong and how you could improve, but that kind of approach does not meet the needs of managers who want to know and understand why the decision they made eventually turned out to fail. The application of known patterns shall help to build a comprehensive understanding for the decision-

making in the context of complaint management. Cross-Over Experiments Oct 22 2021 Developing a model-based approach that enables any cross-over triad, of any degree of imbalance, to be analyzed both for direct effects and for residual effects using consistent procedures that employ commercially available statistical software, this timely reference/test offers a thorough guide to the analysis of cross-over designs. Illustrating practical applications throughout with lucid examples, Cross-Over Experiments provides a detailed introduction...emphasizes the importance of choosing highly efficient designs that separate treatment and carryover effects...demonstrates the exact methodology needed to handle the analysis of data...presents a powerful new methodology-previously unpublished-for the analysis of binary and categorical data...considers the effect of blocking...and much more! With extensive appendixes that fecilitate choosing am appropriate design for every experimental need,

Cross-Over Experiments is an indispensable reference for statisticians; biostatisticians; biometricians; medical, pharmaceutical, agricultural, and psychological researchers; as well as an incomparable tort for upper-level undergraduate and graduate students in these disciplines. Book jacket.

Information Computing and Applications Oct 29 2019 This book constitutes the refereed proceedings of the Second International Conference on Information Computing and Applications, ICICA 2010, held in Qinhuangdao, China, in October 2011. The 97 papers presented were carefully reviewed and selected from numerous submissions. They are organized in topical sections on computational economics and finance, computational statistics, mobile computing and applications, social networking and computing, intelligent computing and applications, internet and Web computing, paralelle and distributed computing, and system simulation and computing.

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Recent Advances in Fourier Analysis and Its Applications Nov 22 2021 This volume contains papers presented at the July, 1989 NATO Advanced Study Institute on Fourier Analysis and its Applications. The conference, held at the beautiful II Ciocco resort near Lucca, in the glorious Tuscany region of northern Italy, created a dynamic in teraction between world-renowned scientists working in the usually disparate communities of pure and applied Fourier analysts. The papers to be found herein include important new results in x-ray crystallography by Nobel Laureate Herbert Hauptman, the application of the new concept of bispectrum to system identification by renowned probabilist Athanasios Papoulis, fascinating appli cations of number theory in Fourier analysis by eminent electrical engineer Manfred R. Schroeder, and exciting concepts regarding polynomials with restricted coefficients by foremost mathematical problem solver Donald J. Newman. The remaining papers further illustrate the inherent power and beauty of classical Fourier analysis, whether the results presented were sought as an end in themselves, or whether these classical methods were employed as a tool in illustrating and solving a particular applied problem. From antenna design to concert hall acoustics to image and speech processing to unimodular polynomi als, each conference participant benefited significantly from his or her exposure, in many cases for the first time, to those scientists on the other end of the spectrum from them selves. The purpose of this volume is to pass those benefits on to the reader.

3D Shape Analysis Oct 10 2020 An in-depth description of the state-of-the-art of 3D shape analysis techniques and their applications This book discusses the different topics that come under the title of "3D shape analysis". It covers the theoretical foundations and the major solutions that have been presented in the literature. It also establishes links between

solutions proposed by different communities that studied 3D shape, such as mathematics and statistics, medical imaging, computer vision, and computer graphics. The first part of 3D Shape Analysis: Fundamentals, Theory, and Applications provides a review of the background concepts such as methods for the acquisition and representation of 3D geometries, and the fundamentals of geometry and topology. It specifically covers stereo matching, structured light, and intrinsic vs. extrinsic properties of shape. Parts 2 and 3 present a range of mathematical and algorithmic tools (which are used for e.g., global descriptors, keypoint detectors, local feature descriptors, and algorithms) that are commonly used for the detection, registration, recognition, classification, and retrieval of 3D objects. Both also place strong emphasis on recent techniques motivated by the spread of commodity devices for 3D acquisition. Part 4 demonstrates the use of these techniques in a selection of 3D shape analysis applications. It covers 3D face recognition, object recognition in 3D scenes, and 3D shape retrieval. It also discusses examples of semantic applications and cross domain 3D retrieval, i.e. how to retrieve 3D models using various types of modalities, e.g. sketches and/or images. The book concludes with a summary of the main ideas and discussions of the future trends. 3D Shape Analysis: Fundamentals, Theory, and Applications is an excellent reference for graduate students, researchers, and professionals in different fields of mathematics, computer science, and engineering. It is also ideal for courses in computer vision and computer graphics, as well as for those seeking 3D industrial/commercial solutions.

Real Estate Investment May 29 2022 Explains the real estate analysis process in plain language, reviewing principles of real estate, real estate investment, and investment analysis. Coverage includes decision models, investment

mathematics, tax considerations, and analyzing risk, with concepts illustrated by a detailed case study usi
Handbook of Research on Modeling, Analysis, and Application of Nature-Inspired Metaheuristic Algorithms Jul 27 2019 The digital age is ripe with emerging advances and applications in technological innovations. Mimicking the structure of complex systems in nature can provide new ideas on how to organize mechanical and personal systems. The Handbook of Research on Modeling, Analysis,

and Application of Nature-Inspired Metaheuristic Algorithms is an essential scholarly resource on current algorithms that have been inspired by the natural world. Featuring coverage on diverse topics such as cellular automata, simulated annealing, genetic programming, and differential evolution, this reference publication is ideal for scientists, biological engineers, academics, students, and researchers that are interested in discovering what models from nature influence the current technology-centric world.