



**BITS PILANI – HYDERABAD
CAMPUS LIBRARY
Fortnightly New-Book Display - 20
(27 April – 10 May, 2026)**

BITS Pilani
Hyderabad Campus

UNLOCKING SECURITY

— AN INTRODUCTION TO —

ETHICAL HACKING



A COMPREHENSIVE HANDBOOK

L.D. Knowings



Acc. No : 50199

Call No : 005.8 KNO-L

In this comprehensive guide, you'll discover the essentials of ethical hacking, breaking down complex cybersecurity concepts into easy-to-understand elements. Vulnerability assessment demystified, with 7 steps to not just find but seal the cracks in your digital fortress before it's too late. Penetration techniques & methods, a comprehensive guide that goes beyond theory, into the realm of practical, hands-on security testing. 11 smart ways to bulletproof your IT systems, because staying safe in the digital world isn't just about the right tools, it's about the right approach. Practical approaches to securing web applications and combating threats like SQL injection and XSS. Network security management: Top 10 practices that can make or break your organisation's cyber defence. Blue and red teams...

SECOND EDITION

MACHINE LEARNING

 Pearson

Saikat Dutt
Subramanian Chandramouli
Amit Kumar Das



Acc. No : 50832

Call No : 006.31 DUT-S

Machine Learning introduces readers to the area of machine learning in an extremely easy-to-read and understand manner. Through numerous worked-out problems, diagrams and notes, the text makes this challenging subject easy to assimilate. The text starts with a simple introduction to the concepts of machine learning and expands it by delving into the details of different learning algorithms using sample caselets. The authors, by virtue of their long exposure to industry implementations, have designed the topics so that readers will earn industry-readiness by just reading this text. Features include Generative AI and Large Language Models with emphasis on Prompt Engineering. Reinforcement learning, End-to-end Machine Learning Implementation. Multi class logistic regression model...

BORIA MAJUMDAR



Acc. No : 50649

Call No : 302.231 MAJ-B



A social media trial can break you. There were 100,000 tweets of abuse for days on end, all premised on a set of untruths pushed by someone hugely powerful because he had played for the national team. Against the entitled, I never stood a chance. The online trial forced the family and me to draw on every last bit of inner strength, and yet left permanent scars. Having served the ban, I wanted closure in the form of this book. But no one knows better that there will never be a full stop. I will not get back the two years of opportunities that I lost, or the days and evenings when I was almost a stranger to my daughter. For two years, my wife and I never had a quiet dinner where we could just relax. There was not one evening when we didn't discuss the issue and the book. Which outsider can quantify the...

EDITED BY
CHARLES J. WHALEN

INSTITUTIONAL ECONOMICS

Perspectives and Methods in
Pursuit of a Better World



Acc. No : 48459

Call No : 330.1552 WHA-C

Institutional economics is a sociocultural discipline and policy science that draws on the idea that economies are best understood through an appreciation of history, real-world institutions, and socioeconomic interrelations. This book brings together leading institutionalists to examine the tradition's most essential perspectives and methods. The contributors to the book draw on a broad range of institutional thought from the classic work of Thorstein Veblen, John R. Commons, and Karl Polanyi, to the newer viewpoints of post-Keynesian institutionalism, feminist institutionalism, and environmental institutionalism. Methods range from frameworks used to analyse public policy and institutional change, to modes of analysis including myth busting, historically grounded narratives, and...

YOUR GUIDE TO WEALTH
AND FINANCIAL SECURITY

How Women Invest in a Man's World

JYOTI
MEHNDIRATTA
KAPPAL

BLOOMSBURY



Acc. No : 50370

Call No : 332.024 KAP-J

The woman of today is independent, career-oriented and an active contributor to the family income. But in a society still largely designed by and for men, are women truly in control of their financial decisions? When it comes to big financial choices, like buying a home or investing savings, who really calls the shots? Drawing on years of research and candid interviews with women from diverse backgrounds, author Jyoti Kappal uncovers the complex emotional and psychological factors that shape women's financial behaviour. She examines inherent biases, such as parental influence, mental accounting and a tendency toward risk aversion, and how they can hinder confident investing. She also breaks down the various types of women investors, identifying the unique strengths and strategies they...

'A rare historian who is also a storyteller. This book goes beyond the inspired tales of individuals to reveal the spirit of their times'

GURCHARAN DAS



India Before the Ambanis

*A History of
Indian Business,
Money and Economy*

LAKSHMI SUBRAMANIAN



Acc. No : 50385

Call No : 338.0954 SUB-L

In a one-of-a-kind attempt, *India Before The Ambanis* deepens the history of modern Indian business by looking at stories of individual enterprise, talent and vision to reflect on the larger milieu and context of business activity. Adopting a narrative non-fiction format, the book focuses on individual protagonists who shaped business in India, focusing largely on western India, which by the middle of the 19th century had emerged as the major commercial, financial, and industrial hub. The book takes its cue from several pioneering studies on business and economic history, especially of India, to put together a narrative that is as much about individuals with fire in their belly as it is about the larger context in which they laboured, innovated and dared to dream big. The book can...

Satellite Remote Sensing for Water Management

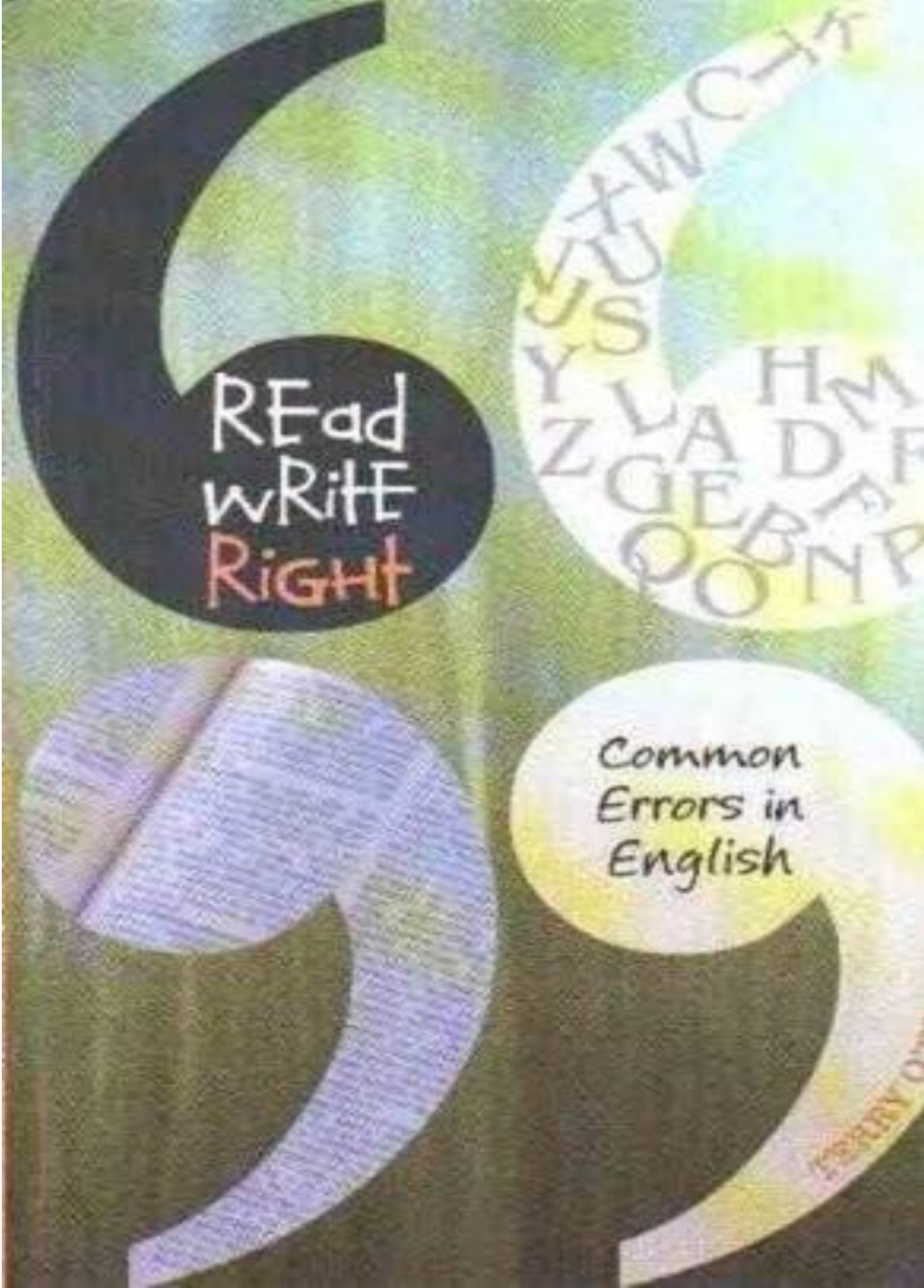
Faisal Hossain



Acc. No : 50910

Call No : 363.610284 HOS-F

This textbook reflects the changing landscape of water management by combining the fields of satellite remote sensing and water management. Divided into three major sections, it begins by discussing the information that satellite remote sensing can provide about water, and then moves on to examine how it can address real-world management challenges, focusing on precipitation, surface water, irrigation management, reservoir monitoring, and water temperature tracking. The final part analyses governance and social issues that have recently been given more attention as the world reckons with social justice and equity aspects of engineering solutions. This book uses case studies from around the globe to demonstrate how satellite remote sensing can improve traditional water practices and...



Acc. No : 50790

Call No : 428.2 OBR-T

The average English speaker knows countless words, almost 25 times more than there are stars visible in the night sky. This book, *Read Write Right*, uncovers the often surprising mistakes that one commits while speaking and writing. In over hundreds of entries, the book reveals the **COMMON ERRORS** that are not at all **UNCOMMON** in usage. The sentences are simple, but the errors are glaring. The purpose of this book is to bring out and make explicit these errors that we seem to make when we speak and write. Written in a clear and informative style, *Read Write Right* shows how today's English has developed, yet a staggering number of common errors that are intermingled in the usage. This is a book meant for one and all—students, professionals, journalists, writers, public speakers, publishers and...

TENSOR DECOMPOSITIONS

FOR **DATA
SCIENCE**



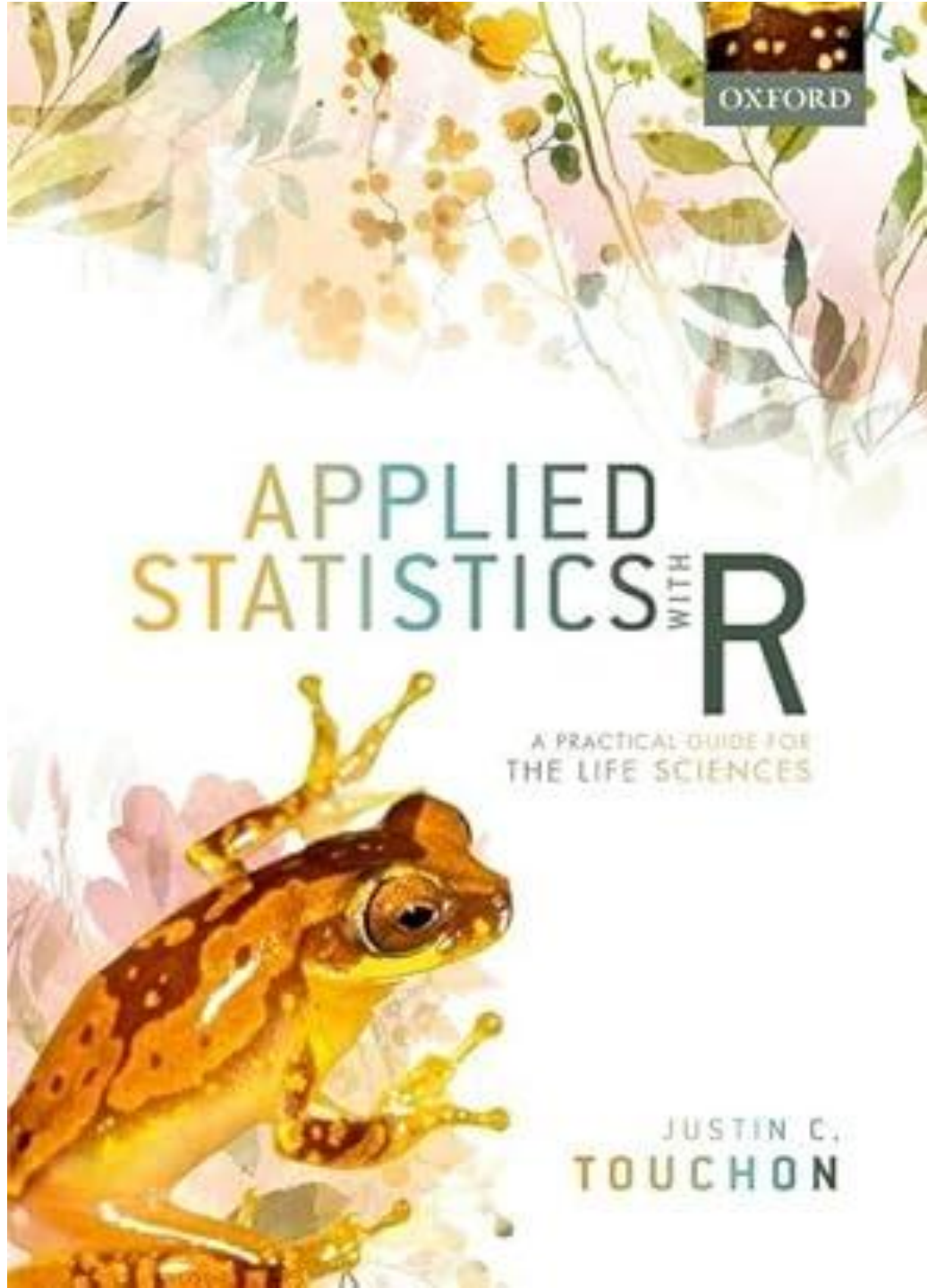
Grey Ballard &
Tamara G. Kolda



Acc. No : 50917

Call No : 512.5 BAL-G

Tensors are essential in modern-day computational and data sciences. This book explores the foundations of tensor decompositions, a data analysis methodology that is ubiquitous in machine learning, signal processing, chemometrics, neuroscience, quantum computing, financial analysis, social science, business market analysis, image processing, and much more. In this self-contained mathematical, algorithmic, and computational treatment of tensor decomposition, the book emphasises examples using real-world downloadable open-source datasets to ground the abstract concepts. Methodologies for 3-way tensors, the simplest notation, are presented before generalising to d-way tensors, the most general but complex notation, making the book accessible to advanced...



Acc. No : 50940

Call No : 519.50285 TOU-J

The statistical analyses that students of the life sciences are expected to perform are becoming increasingly advanced. Whether at the undergraduate, graduate, or post-graduate level, this book provides the tools needed to properly analyse your data in an efficient, accessible, plainspoken, frank, and occasionally humorous manner, ensuring that readers come away with the knowledge of which analyses they should use and when they should use them. The book uses the statistical language R, which is the choice of ecologists worldwide and is rapidly becoming the 'go-to' stats program throughout the life sciences. Furthermore, by using a single, real-world dataset throughout the book, readers are encouraged to become deeply familiar with an imperfect but realistic set of data. Indeed, early chapters are...

Slobodan Perović and
Milan M. Ćirković

The Cosmic Microwave Background

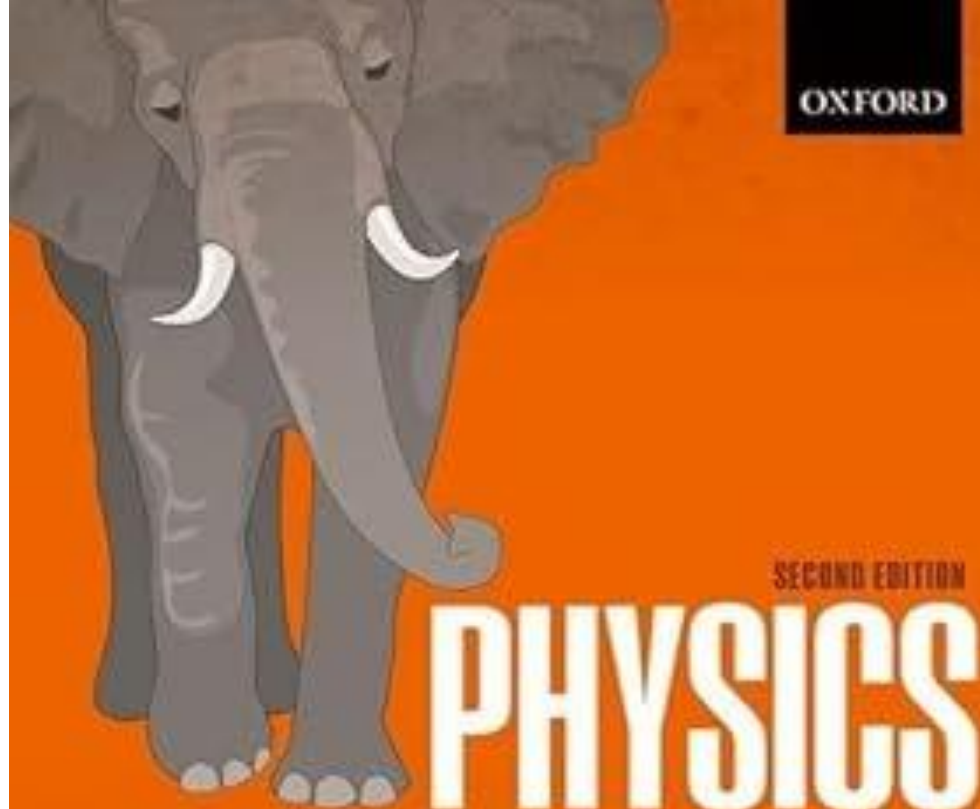
Historical and Philosophical Lessons



Acc. No : 50933

Call No : 523.1 PER-S

This volume tells the untold story of how observations of the cosmic microwave background radiation were interpreted in the decades following its serendipitous discovery, before the Hot Big Bang model became the accepted orthodoxy. The authors guide the reader through this history, including the many false trails and blind alleys that occurred along the way. Readers will discover how the Big Bang theory was shaped by alternative theories that exposed its weaknesses, including some that persist even today. By looking carefully at what it takes to reject an incorrect theory and the assumptions and processes at each stage, the authors examine the epistemological factors at play between an emerging scientific orthodoxy and the discarded alternatives. Their analysis of the cosmic...

 OXFORD

SECOND EDITION

PHYSICS ON YOUR FEET

BERKELEY GRADUATE EXAM QUESTIONS
or Ninety Minutes of Shame but a PhD for the Rest of Your Life!

DMITRY BUDKER &
ALEXANDER O. SUSHKOV

ILLUSTRATED BY VASILIKI DEMAS

innovate

achieve

lead

Acc. No : 50926

Call No : 530.076 BUD-D

Physics on Your Feet, second edition, is a significantly expanded collection of physics problems covering the broad range of topics in classical and modern physics that were, or could have been, asked at oral PhD exams at University of California at Berkeley. The questions are easy to formulate, but some of them can only be answered using an outside-of-the-box approach. Detailed solutions are provided, from which the reader is guaranteed to learn a lot about the physicists' way of thinking. The book is also packed full of cartoons and dry humour to help take the edge off the stress and anxiety surrounding exams. This is a helpful guide for students preparing for their exams, as well as a resource for university lecturers looking for good instructional problems. No exams are necessary to enjoy the book...



An Introduction to Statistical Mechanics and Thermodynamics

Second Edition

Robert H. Swendsen

OXFORD GRADUATE TEXTS

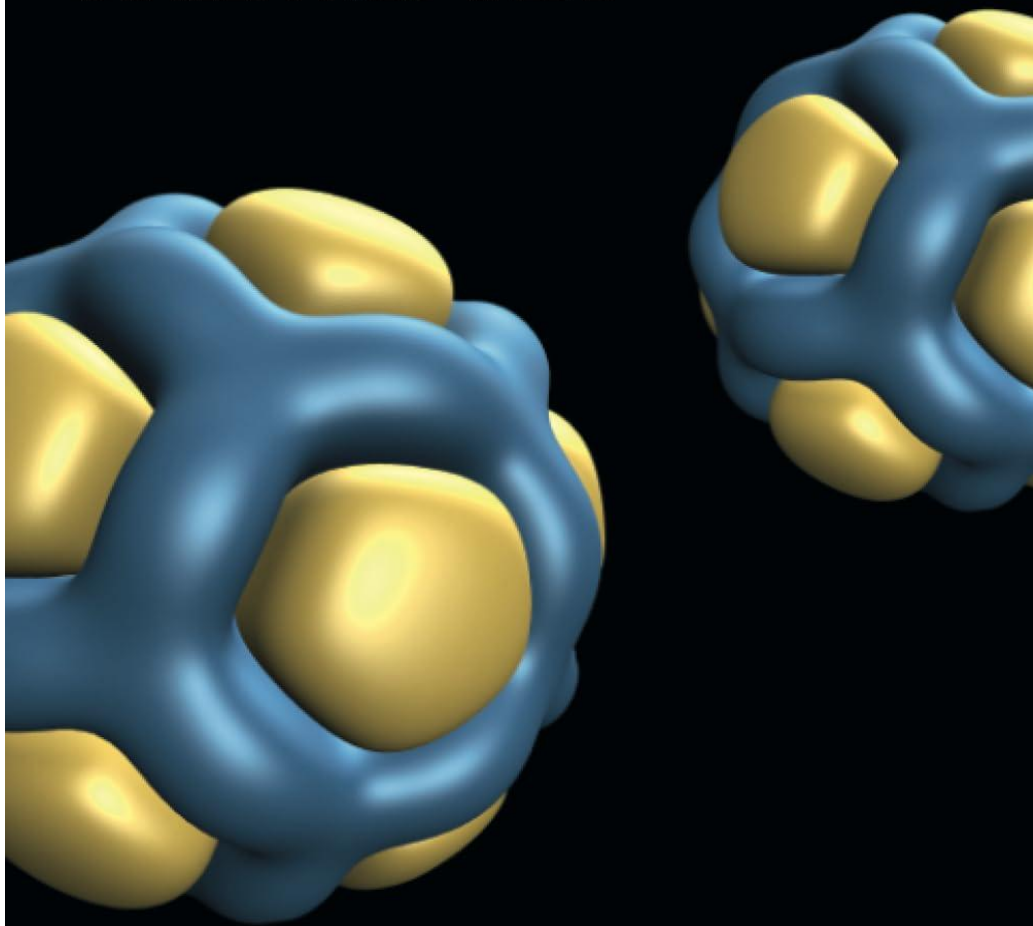
Acc. No : 50951

Call No : 536.7 SWE-R

This text presents the two complementary aspects of thermal physics as an integrated theory of the properties of matter. Conceptual understanding is promoted by the thorough development of basic concepts. In contrast to many texts, statistical mechanics, including a discussion of the required probability theory, is presented first. This provides a statistical foundation for the concept of entropy, which is central to thermal physics. A unique feature of the book is the development of entropy based on Boltzmann's 1877 definition; this avoids contradictions or ad hoc corrections found in other texts. Detailed fundamentals provide a natural grounding for advanced topics, such as black-body radiation and quantum gases. An extensive set of problems solutions is available for...

PYTHON FOR CHEMISTS

CHRISTIAN HILL



Acc. No : 50901

Call No : 542.85 HIL-C

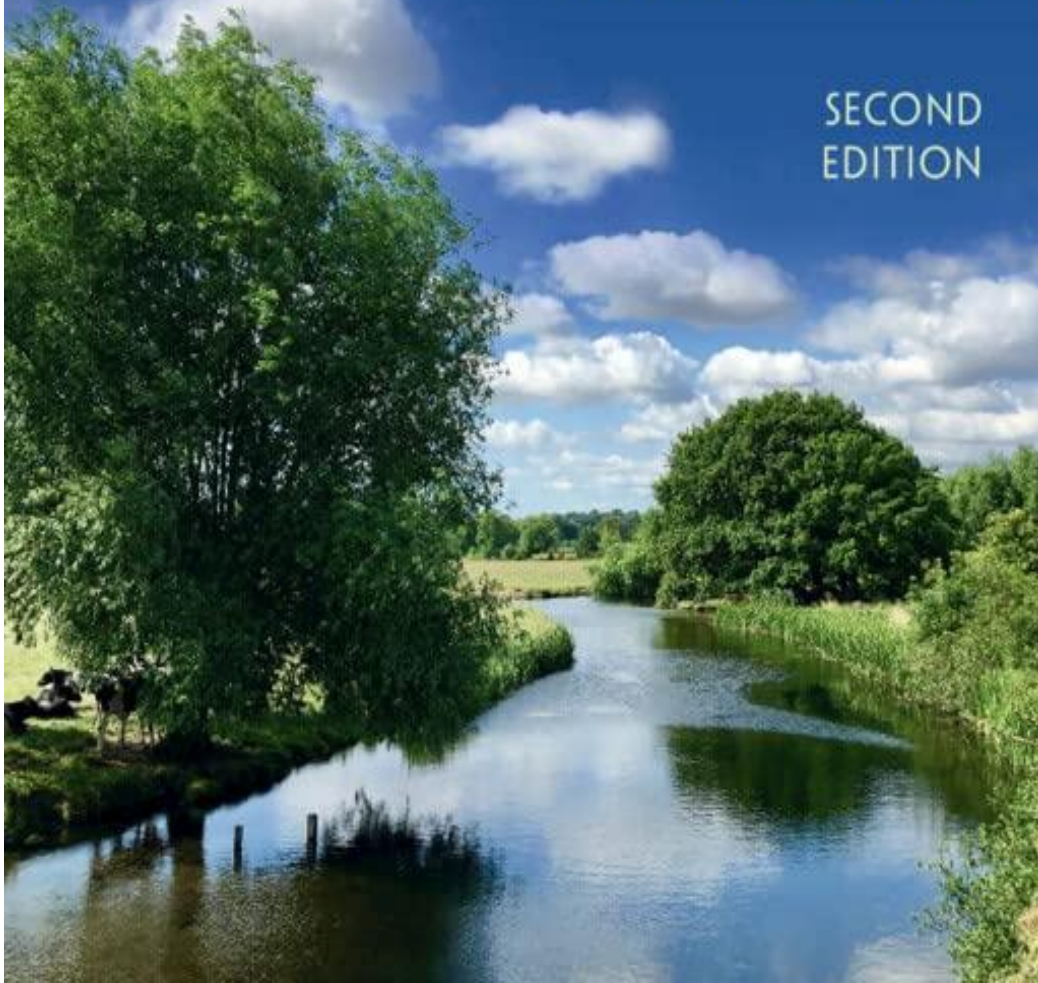
This accessible and self-contained guide provides a comprehensive introduction to the popular programming language Python, with a focus on applications in chemistry and chemical physics. Ideally suited to students and researchers of chemistry learning to employ Python for problem-solving in their research, this fast-paced primer first builds a solid foundation in the programming language before progressing to advanced concepts and applications in chemistry. The required syntax and data structures are established and then applied to solve problems computationally. Popular numerical packages are described in detail, including NumPy, SciPy, Matplotlib, SymPy, and pandas. End-of-chapter problems are included throughout, with worked solutions available within the book, additional...

WILFRIED BRUTSAERT

HYDROLOGY

An Introduction

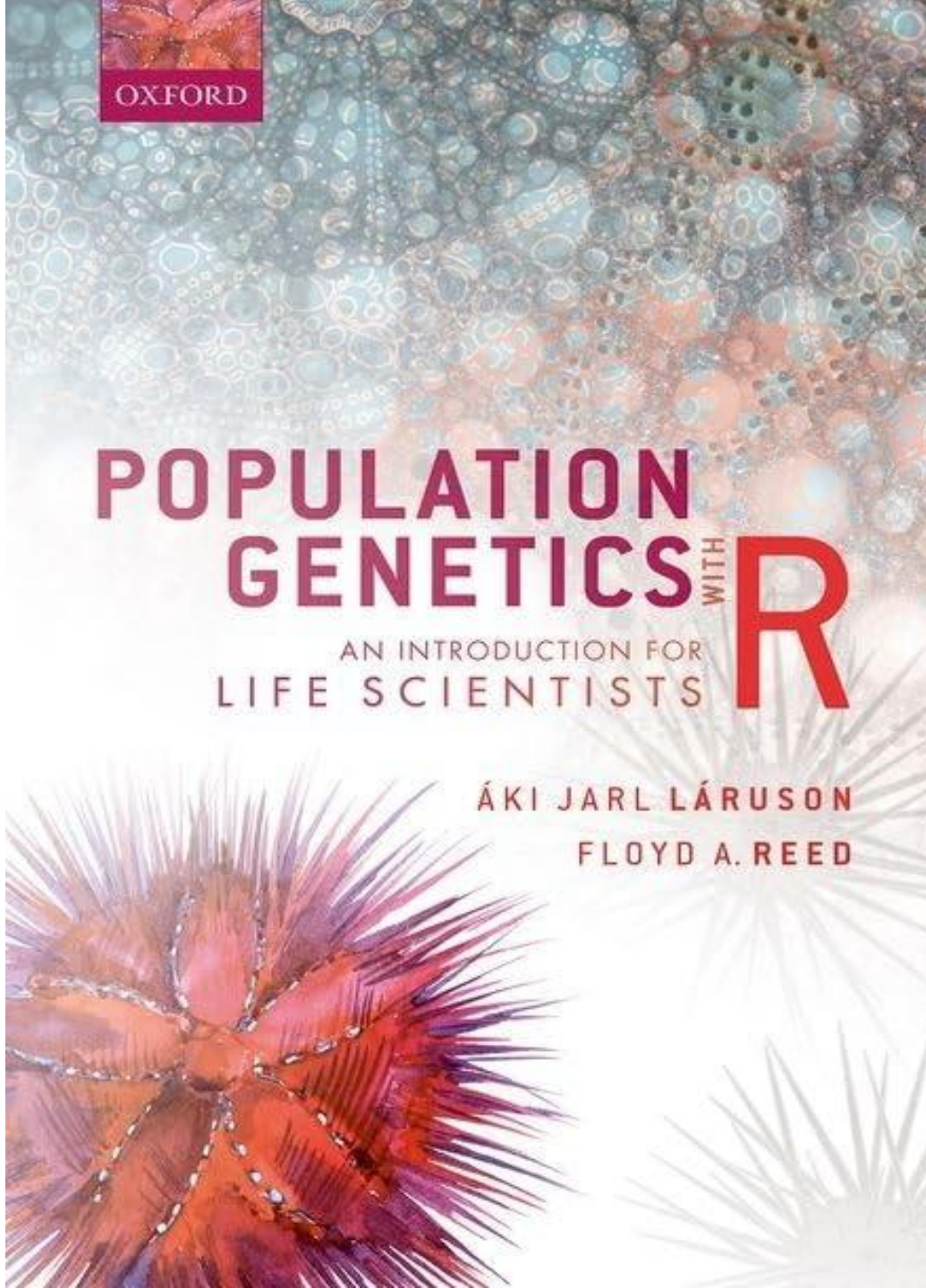
SECOND
EDITION



Acc. No : 50907

Call No : 551.48 BRU-W

Wilfried Brutsaert, 2022 Stockholm Water Prize Laureate, has revised and updated his classic textbook to take into account recent developments, while retaining the rigour and structure of the previous edition to introduce the fundamental principles of hydrology. New topics include the response of the global water cycle to climate change, the land surface energy budget closure, snow melt, groundwater trends and statistical surface variability with disturbed atmospheric boundary layers. Hydrologic phenomena are dealt with at the spatial and temporal scales at which they occur in nature. The physics and mathematics necessary to describe these phenomena are introduced and developed: readers will require a working knowledge of calculus and basic fluid mechanics. This classroom-tested textbook, based on...



Acc. No : 50942

Call No : 576.580285 LAU-A

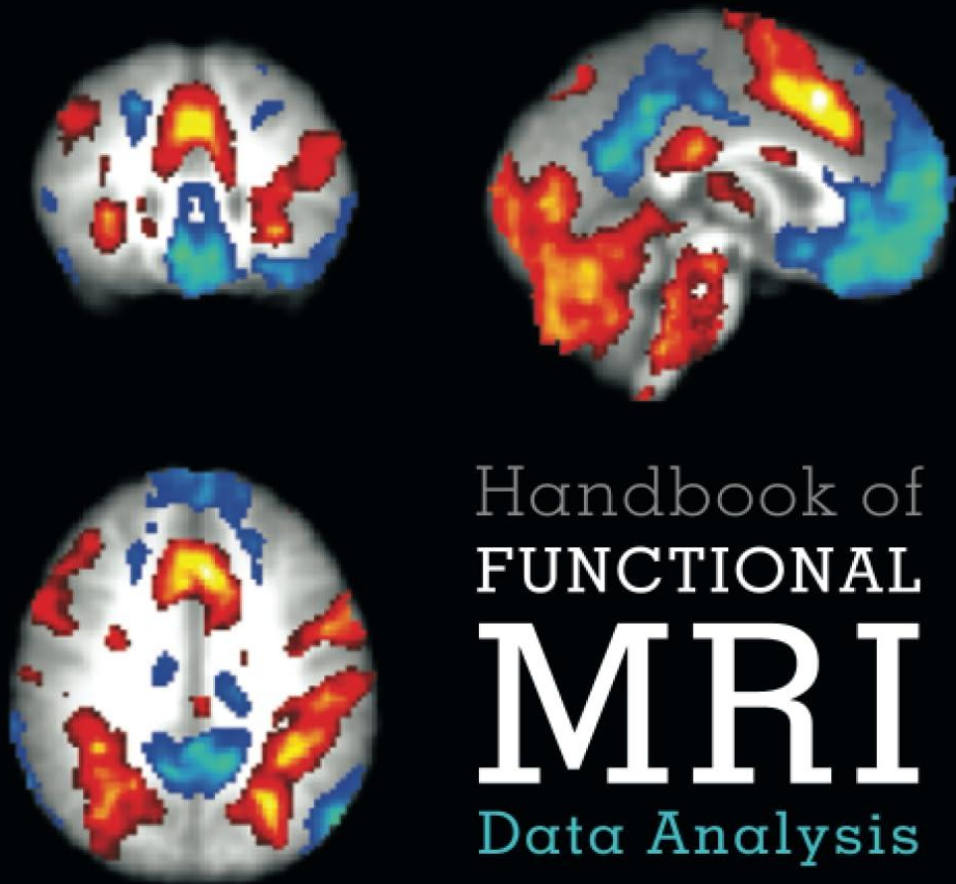
Population genetics is an inherently quantitative discipline, yet it often focuses upon abstract concepts which can be difficult to conceptualise and appropriately visualize at first glance. This book focuses on applying the hugely popular R software specifically to the field, offering an accessible, step-by-step guide to tackling the challenges of achieving effective data interpretation and summary. The authors adopt an engaging “learning by doing” approach that will enable readers to develop an intuitive understanding of key population genetics concepts through the use of R. Beginning with the groundwork of installing and using R, including CRAN and the RStudio IDE, the book works through the use of basic commands for data manipulation. An introduction to basic terminology in population genetics follows...



Acc. No : 50936

Call No : 616.8047548 POL-R

Functional magnetic resonance imaging has become the most popular method for imaging brain function. Handbook of Functional MRI Data Analysis provides a comprehensive and practical introduction to the methods used for fMRI data analysis. Using minimal jargon, this book explains the concepts behind processing fMRI data, focusing on the techniques that are most commonly used in the field. This book provides background about the methods employed by common data analysis packages, including FSL, SPM and AFNI. Some of the newest cutting-edge techniques, including pattern classification analysis, connectivity modeling and resting state network analysis, are also discussed. Readers of this book, whether newcomers to the field or experienced researchers, will obtain a deep and...



Russell A. Poldrack | Jeanette A. Mumford | Thomas E. Nichols



Micro Electromechanical Systems (MEMS)

Practical Lab Manual

Edited by Sanket Goel



Acc. No : 50746

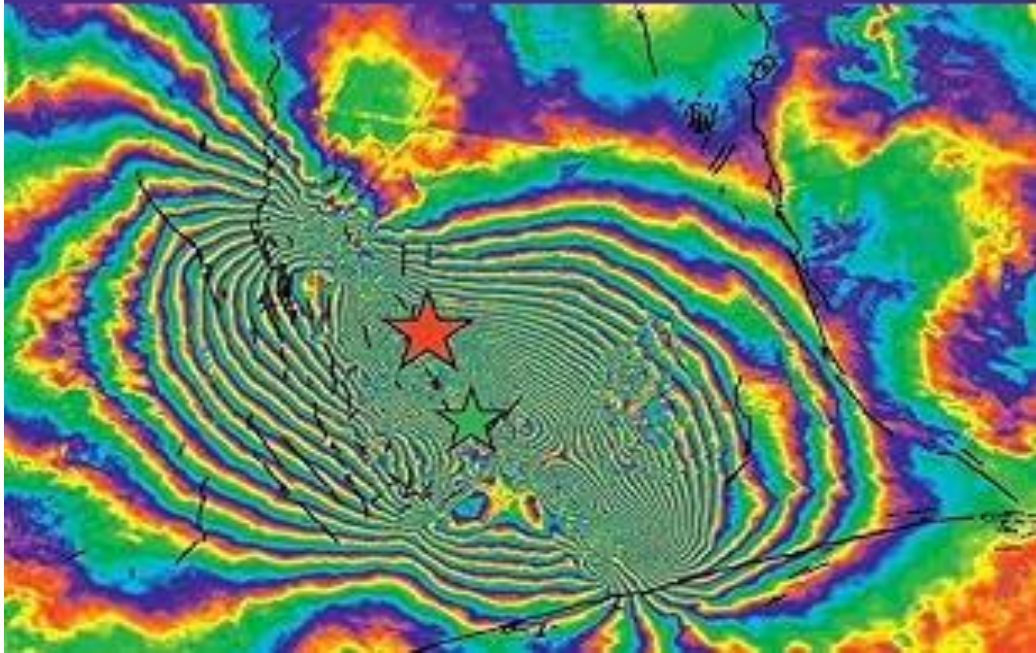
Call No : 621.381 GOE-S

Practical lab manual on the stepwise description of the experimental procedures of microelectromechanical systems devices. Micro Electromechanical Systems is a highly practical lab manual on the relevant experimental procedures of MEMS devices, covering technical aspects including simulations and modelling, practical steps involved in fabrication, thorough characterisations of developed MEMS sensors, and leveraging these sensors in real-time targeted applications. The book provides in-depth coverage of multi-physics modelling for various sensors, as well as fabrication methodologies for photolithography, soft lithography, 3D printing, and laser processing-based experimental details for the realisation of MEMS devices. It also covers characterisation techniques from morphological to...

Satellite Radar Interferometry

THEORY AND PRACTICE

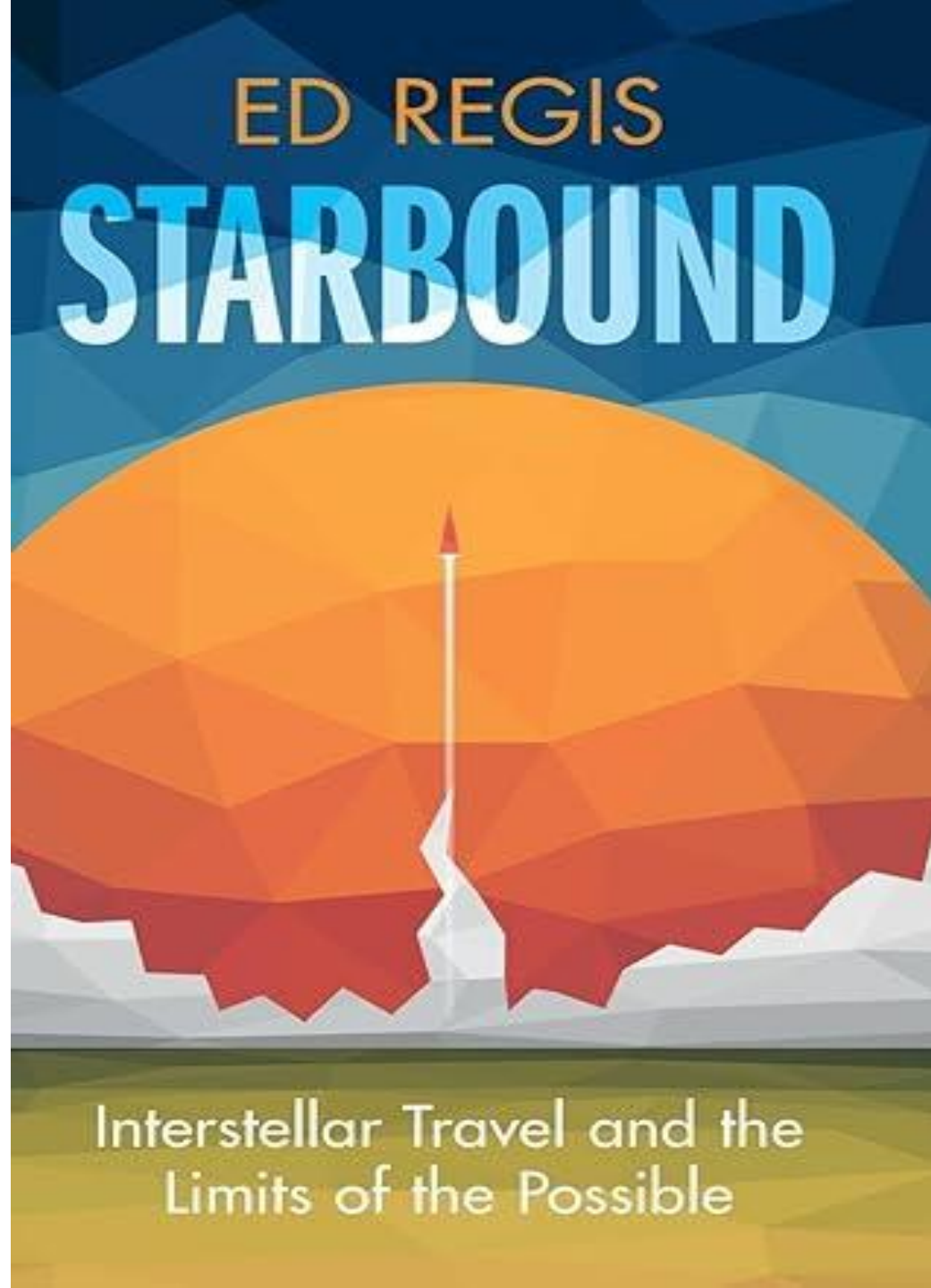
David T. Sandwell, Xiaohua Xu, Jingyi Chen,
Robert J. Mellors, Meng Wei, Xiaopeng Tong,
John B. DeSanto and Qi Ou



Acc. No : 50906

Call No : 621.3848 SAN-D


Synthetic Aperture Radar Interferometry is an active remote sensing method that uses repeated radar scans of the Earth's solid surface to measure relative deformation at centimetre precision over a wide swath. It has revolutionised our understanding of the earthquake cycle, volcanic eruptions, landslides, glacier flow, ice grounding lines, ground fluid injection/withdrawal, underground nuclear tests, and other applications requiring high spatial resolution measurements of ground deformation. This book examines the theory behind and the applications of InSAR for measuring surface deformation. The most recent generation of InSAR satellites has transformed the method from investigating 10's to 100's of SAR images to processing 1000's and 10,000's of images...



Acc. No : 50899

Call No : 629.45 REG-E

Synthetic Aperture Radar Interferometry is an active remote sensing method that uses repeated radar scans of the Earth's solid surface to measure relative deformation at centimetre precision over a wide swath. It has revolutionised our understanding of the earthquake cycle, volcanic eruptions, landslides, glacier flow, ice grounding lines, ground fluid injection/withdrawal, underground nuclear tests, and other applications requiring high spatial resolution measurements of ground deformation. This book examines the theory behind and the applications of InSAR for measuring surface deformation. The most recent generation of InSAR satellites has transformed the method from investigating 10's to 100's of SAR images to processing 1000's and 10,000's of images...



**'Apply these rules for a happier
family and healthier kids'**

Jonathan Haidt, bestselling author
of *The Anxious Generation*

10 RULES FOR RAISING KIDS IN A HIGH-TECH WORLD

INTERNATIONAL BESTSELLING AUTHOR

DR JEAN M TWENGE



innovate

achieve

lead

Acc. No : 50703

Call No : 649.1 TWE-J

How to raise happy and resilient kids in the age of overwhelming technology. From the rise of social media addiction to the growing mental health crisis, parents today are grappling with how they can help their children have a balanced relationship with technology. Until now. Drawing on decades of original research from the world-leading expert on the impact of technology on mental health, this is the science-backed guide parents have been waiting for. Offering 10 clear, actionable rules, you'll find out. When to give your child their first phone. How to keep kids from accessing social media before they are ready to. Ways to set up effective parental controls on devices. Advice on giving kids real-world freedom. Empowering and grounded in first-of-its-kind evidence, this book is essential reading for all...

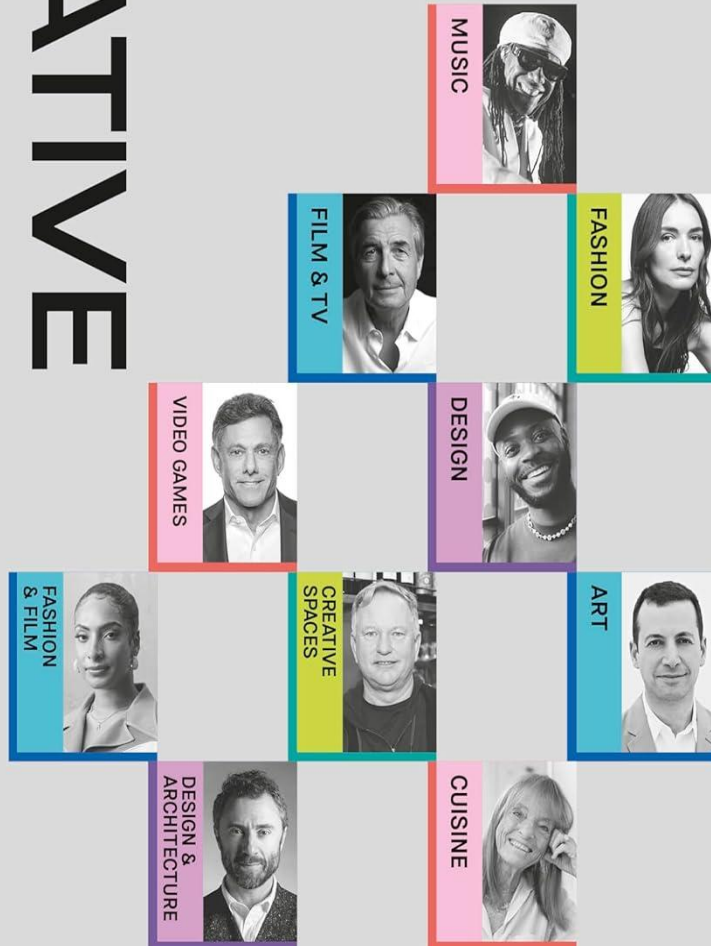


ENTREPRENEUR CREATIVE

A guide to building
a successful creative
business from
industry titans

Carolyn Dailey

THE



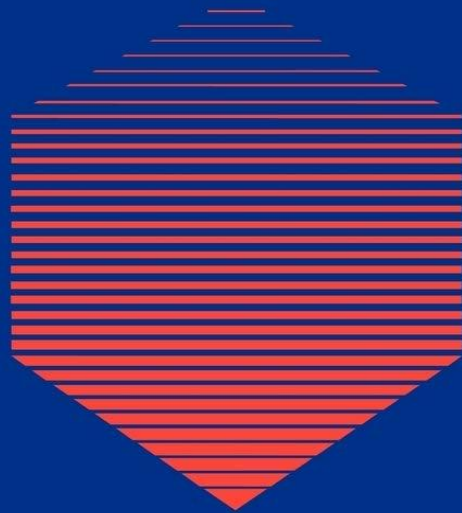
Acc. No : 50457

Call No : 658.1102 DAI-C

Learn from ten of the world's most inspiring entrepreneurs, including Grammy winner Nile Rodgers and Emmy-winning producer Andy Harries, as they share their stories, actionable advice, and recommendations to help you succeed in business and fuel your life potential. Unlock your creativity and transform your career with a new, mission-driven perspective from these industry icons in design, fashion, art, film, music, and more. Featuring transformative wisdom from creative leaders. An insider's guide to building a business with advice on branding, intellectual property, networking, and more. Exclusive insights from leaders across creative fields, including Nile Rodgers, The River Café's Ruthie Rogers and Soho House founder Nick Jones. Perfect for those...

Advanced Transport Phenomena

Fluid Mechanics and Convective Transport Processes



L. Gary Leal



Acc. No : 50416

Call No : 660.2842 LEA-L

Advanced Transport Phenomena is ideal as a graduate textbook. It contains a detailed discussion of modern analytic methods for the solution of fluid mechanics and heat and mass transfer problems, focusing on approximations based on scaling and asymptotic methods, beginning with the derivation of basic equations and boundary conditions and concluding with linear stability theory. Also covered are unidirectional flows, lubrication and thin-film theory, creeping flows, boundary layer theory, and convective heat and mass transport at high and low Reynolds numbers. The emphasis is on basic physics, scaling and nondimensionalization, and approximations that can be used to obtain solutions that are due either to geometric simplifications, or large or small values of...

THIRD EDITION

CONSTRUCTION PROJECT MANAGEMENT

THEORY AND PRACTICE



Kumar Neeraj Jha



Acc. No : 50835

Call No : 690.068 JHA-K

The third edition of Construction Project Management continues to discuss the various facets of construction project management with emphasis on the fundamental concepts and putting it to use in real-life scenarios with the help of case studies from the field. There is a gradual build-up of concepts and their applications to help students and field engineers get a complete understanding right from the conception stage to the completion of the projects. Dedicated chapters on Construction Material Management, Construction Equipment Management and Construction Contracts to provide readers with a comprehensive understanding. The latest and emerging concerns of Construction Safety and Construction Quality are discussed in detail. Step-by-step illustration of MS Project 2019 and Primavera...

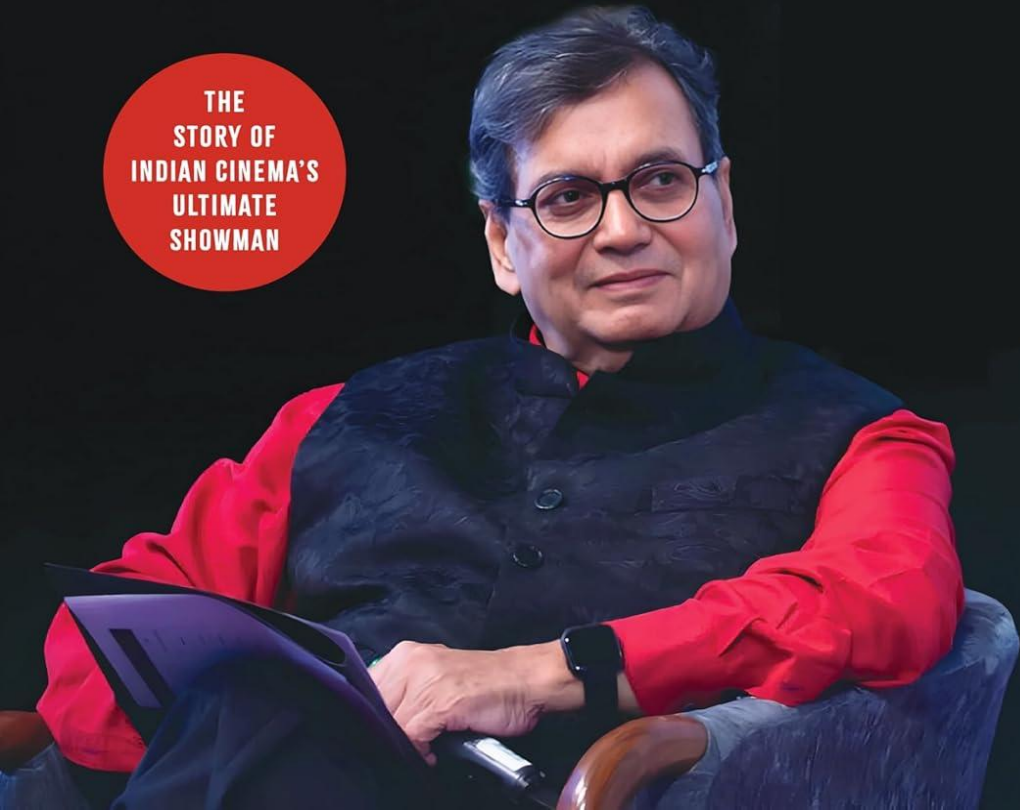


Karma's Child

SUBHASH GHAI

with **SUVEEN SINHA**

THE
STORY OF
INDIAN CINEMA'S
ULTIMATE
SHOWMAN



Acc. No : 50002

Call No : 791.4302 GHA-S

Subhash Ghai is the man behind some of Hindi cinema's most iconic movies. Of the sixteen films he made between 1976 and 2008, twelve-Kalicharan, Karz, Vidhaata, Hero, Karma, Ram Lakhan, Meri Jung, Saudagar, Khal Nayak, Pardes, Taal and Yaadein-were blockbusters, and the others were critically acclaimed. Known for the strong stories, the memorable music and the grandeur of his films, Ghai not only helmed dream-cast multi-starrers but also signed on rank newcomers who went on to become established names in Bollywood. With his innovative thinking, he brought the crowds flocking back to the theatres when video piracy was at its peak, was the first in India to release the music of a film on audio CD and was a pioneer in taking Hindi cinema to global markets. A self-made man who...

SIDHARTH BHATIA

MUMBAI

A MILLION ISLANDS

'A tender love letter
to a disappearing city,
written with the intimacy
of someone who wants
its stories told.'

**JAMES
CRABTREE**



Acc. No : 50755

Call No : 954.792 BHA-S

Since the East India Company merged seven islands into Bombay, now Mumbai, change has been constant, but now it is used as a weapon for displacement, disguised as development. Slums are erased overnight to make way for luxury towers priced in tens of crores. The working class is pushed to the margins-literally-and into distant housing projects with no infrastructure, transport or sanitation. Entire communities are uprooted while a new Mumbai is built for the privileged few, behind closed gates, inside glass walls. Sidharth Bhatia's Mumbai: A Million Islands is a piercing look at a city in the throes of relentless transformation. What is vanishing is not just space, but memory, history and the very fabric of a living city. Mumbai's famed spirit of survival is being tested like never before. Where the...

'Practical, elegant and deeply human, this book should be required reading for anyone who leads, influences or aspires to do either' KAUSHIK SHAPARIA, group CEO, Deutsche Bank India and Emerging Asia



THE ART OF CONVERSATION

Elevate Your Communication Skills,
Influence Outcomes and Connect with Anyone

Khurshed Dordi

Acc. No : 50708

Call No : 153.6 DOR-K

In today's fast-paced, interconnected world, where information flows freely and attention spans are fleeting, the ability to communicate effectively is more critical than ever. Yet so many of us struggle to articulate our thoughts clearly, connect with others authentically, and leave a lasting impression. The good news is that communication is a skill, not an innate talent. And like any skill, it can be learned, honed, and mastered with practice and the right guidance. That's where this book comes in. It'll guide you through a holistic approach to communication that focuses on developing your inner strength, understanding the nuances of human interaction, and crafting narratives that captivate and inspire. Think of this book as your personal communication coach, your trusted confidant, and...



VEDA VIHANGAM

The Essential Veda

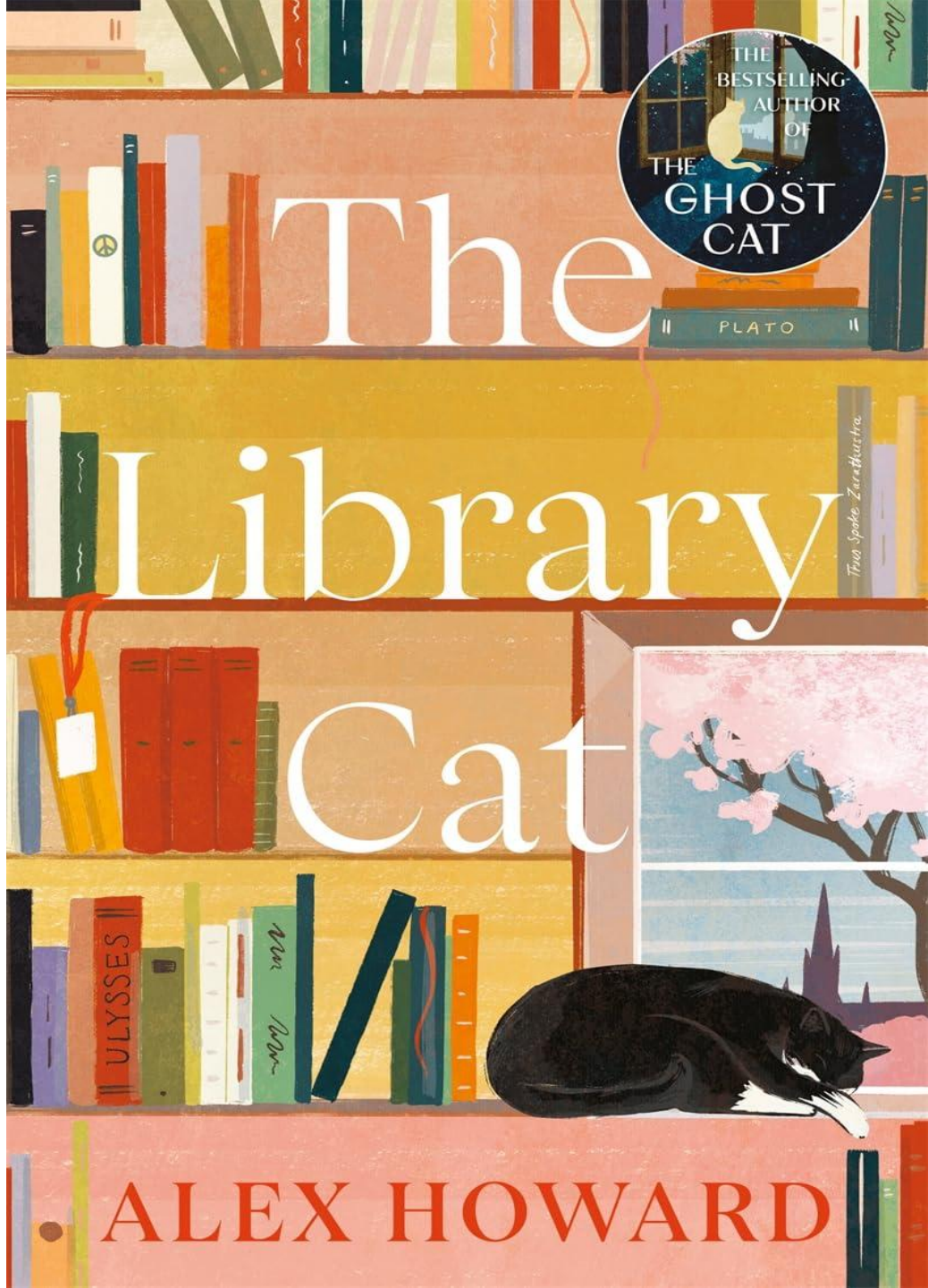


Samarpan

Acc. No : 50575

Call No : 294.5921 SAM


The Vedas Ṛk, Sāma, Yajuḥ, Atharva are the oldest and most sacred Hindu scriptures. While these timeless texts have shaped Indian religious, social and cultural sentiments, their footprints are visible in practically every aspect of the Indian way of life. The chant of Gāyatrī and the sacred symbol Om, the growth of geometry, the invention of zero, the development of prosody, and much more, are directly related to the Vedas. Despite this enduring legacy, very few of us ever read or even chance upon the Vedas, and most of the existing, albeit misinterpreted, scholarship is courtesy of Western scholars. In Veda Vihangam. The Essential Veda, Hindu monk and teacher Samarpan unravels the majestic scope and immediate relevance of this set of religious texts by bringing to our attention and...



Acc. No : 50662
Call No : Fiction HOW – A

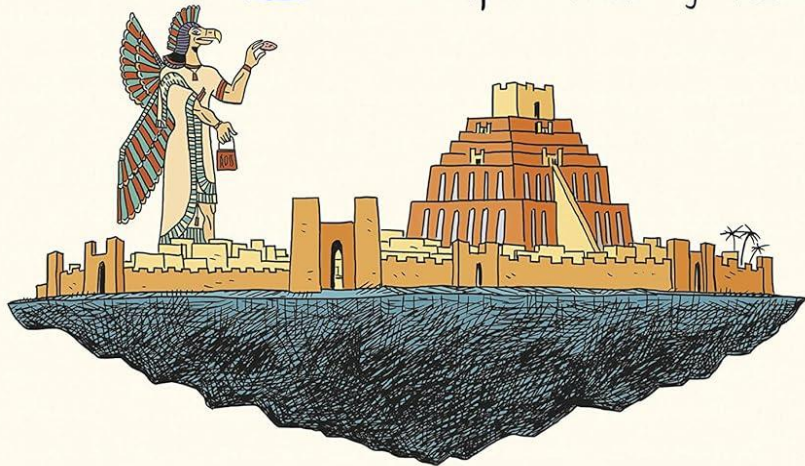
Library Cat, the resident cat of the University of Edinburgh's Main Library, is not like other cats. He is a thinking cat. You can tell by the canny glint in his eye, his disdainful whiskers and his unrelenting interest in books and piles of paper. This is the Library Cat's story. Join him as he adventures away from his favourite turquoise library chair and his preferred food, bacon rind to go out into the big, bad world. Meet his cousins, Biblio Chat and Saaf Landan Tom; swoon during his brief encounter with the elusive Puddle Cat and hold your breath amidst his run-in with the terrifying Black Dog. Part whimsy, part cat-borne philosophical novella, this is a tale about Library Cat's search for meaning in a confounding world. But it's about us Humans, too. Because with his black and white head bobbing a foot off the ground, Library Cat has seen Humans from a...

THE PHENOMENAL BESTSELLER



Sapiens

A Graphic History VOL.2



The Pillars of Civilization

Yuval Noah Harari

David Vandermeulen - Daniel Casanave



Acc. No : 50534

Call No : 909 HAR-Y (Young Learners)

When nomadic Homo sapiens settled to live in one place, they started working harder and harder. But why didn't they get a better life in return? In The Pillars of Civilization, Yuval Noah Harari and his companions, including Prof. Saraswati and Dr Fiction, travel the length and breadth of human history to investigate how the Agricultural Revolution changed society forever. Discover how wheat took over the world, how war, famine, disease and inequality became a part of the human condition, and why we might only have ourselves to blame. The origins of modern farming are told through Elizabethan tragedy, the changing fortunes of domesticated plants and animals are tracked in the columns of the Daily Business News, and the history of inequality is revealed in a superhero detective...

Links to Access Library Resources / Services

OPAC Link: <https://bitspilani-hyd-opac.kohacloud.in/>

E-Resources Link: <https://bitspilani-hyd-opac.kohacloud.in>

Digital Library: <http://125.22.54.221:8080/jspui/> (within the Campus)

Old Question Papers: <http://125.22.54.221:8080/jspui/handle/123456789/1>
(within the Campus Only)

Online News Papers: <https://onlinenewspapers.com/india.shtml>



7A

7-194 A
Library
Literature
Geography
→

Thank you