

Call No : 001.42 THI-D

Learn how to plan for success with this hands-on guide to conducting high-quality engineering research. Plan and implement your next project for maximum impact: step-by-step instructions cover every stage in engineering research, from the identification of an appropriate research topic to the successful presentation of results. Improve your research outcomes: discover essential tools and methods for producing high-quality, rigorous research, including statistical analysis, survey design, and optimization techniques. Research with purpose and direction: clear explanations, real-world examples, and over 50 customizable end-of-chapter exercises, all written with the practical and ethical considerations of engineering in mind. A unique engineering perspective is written...





How Digital Forces
Beyond Our Control
Commandeer Our
Daily Lives and
Inner Realities

David B. Auerbach

Acc. No : 48343

Call No : 004.678 AUE-D

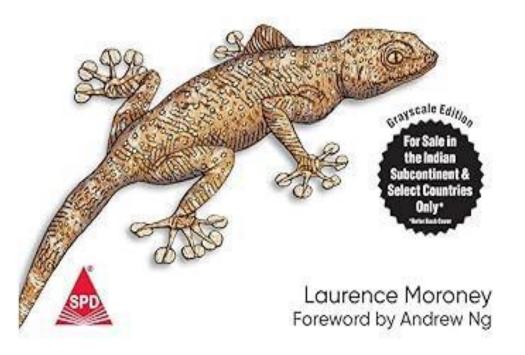
David Auerbach's exploration of the phenomenon he has identified as the magnet begins with a simple, startling revelation: There is no hand on the tiller of some of the largest global digital forces that influence our daily lives: from corporate sites such as Facebook, Amazon, Google, YouTube, Instagram, and Reddit to the burgeoning metaverse encompassing cryptocurrencies and online gaming to government systems such as China's Social Credit System and India's Aadhaar. As we increasingly integrate our society, culture, and politics within a hyper-networked fabric, Auerbach explains how the interactions of billions of people with unfathomably large online networks have produced a new sort of beast: ever-changing systems that operate beyond the control of individuals, companies, and...



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Al and Machine Learning for Coders

A Programmer's Guide to Artificial Intelligence



Acc. No : 46065

Call No : 006.31 MOR-L

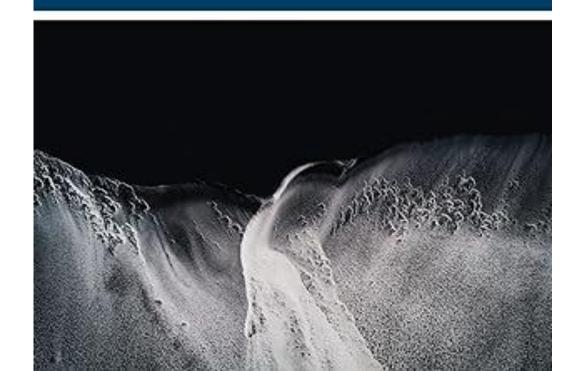
If you're looking to make a career move from programmer to AI specialist, this is the ideal place to start. Based on Laurence Moroney's extremely successful AI courses, this introductory book provides a hands-on, code-first approach to help you build confidence while you learn key topics. You'll understand how to implement the most common scenarios in machine learning, such as computer vision, natural language processing, and sequence modeling for web, mobile, cloud, and embedded runtimes. Most books on machine learning begin with a daunting amount of advanced math. This guide is built on practical lessons that let you work directly with the code, and how to build models with TensorFlow using skills employers desire. The basics of machine learning by working with...



Why Machines Will Never Rule the World

Artificial Intelligence without Fear

JOBST LANDGREBE AND BARRY SMITH





Acc. No : 47121

Call No: 150 LAN-J

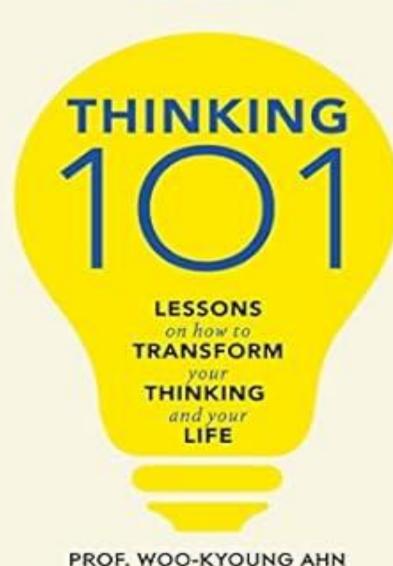
The book's core argument is that artificial intelligence that could equal or exceed human intelligence sometimes called artificial general intelligence is for mathematical reasons impossible. It offers two specific reasons for this claim. Human intelligence is a capability of a complex dynamic system the human brain and central nervous system. Systems of this sort cannot be modeled mathematically in a way that allows them to operate inside a computer. In supporting their claim, the authors, Jobst Land grebe and Barry Smith, marshal evidence from mathematics, physics, computer science, philosophy, linguistics, and biology, setting up their book around three central questions: What are the essential marks of human intelligence? What is it that researchers try to do when they attempt to achieve artificial...

"A world-class tune-up for your brain"

Daniel H. Pink, New York Times

beatselling earther of Drive





Acc. No : 48037

Call No : 153.46 AHN-W

Psychologist Woo-Kyung Ahn explains why our judgment is so often wrong and offers strategies to help us respond to the challenges we all face as individuals and in society at large. What can K-pop dance moves teach us about how we can best learn new skills? How can a winning soccer goal illustrate the challenge of assigning credit or blame? Why should we think about the way we shop for holiday gifts before starting a new project? Professor Woo-Kyung Ahn devised a course at Yale called Thinking to help students examine the biases that cause so many problems in their daily lives. It quickly became one of the college's most popular courses. Now, for the first time, she presents key insights from her years of teaching and research in a book for everyone. Ahn shows how...



Call No : 234.131 VRI-S

Healing is something that only the Divine Mother does. Healing is something that only Mother Nature does. I am simply someone who is getting the opportunity to deliver the right messages. And that's what it is and that's what I feel in my bone. I am not saying this to humor someone or to appear in a certain way; this is how I feel every single day. Om Swami, Have you ever wondered what it would have been like to be born in the era of Chaitanya Mahaprabhu, Buddha, or other enlightened beings? Most of us have felt the sublime grace of God in our lives and yet, a lot of us have not known how everything stands still in the presence of an awakened being. We have heard but rarely witnessed how in the presence of a true master, our struggles and hardships dissipate like dew upon sunrise, Until...



Routledge Research in Gender and Society

GENDER VIOLENCE IN ECOFEMINIST PERSPECTIVE

INTERSECTIONS OF ANIMAL OPPRESSION, PATRIARCHY AND DOMINATION OF THE EARTH

Gwen Hunnicutt

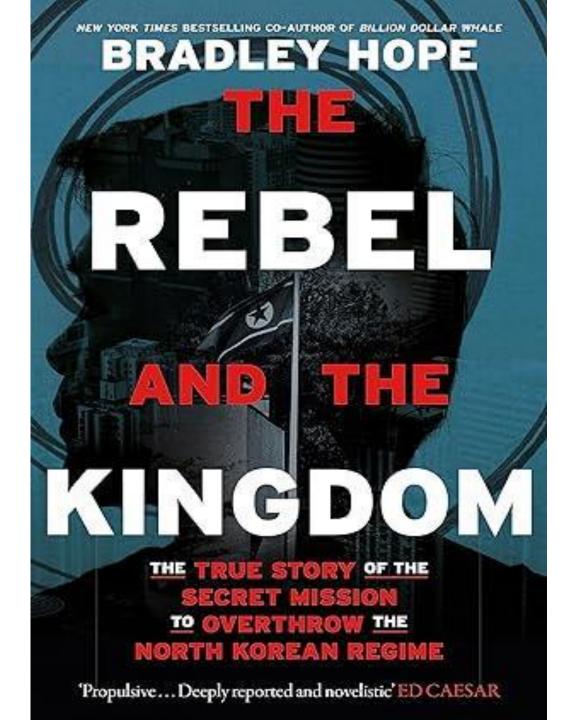




Acc. No : 48461

Call No : 304.2082 HUN-G

Ecofeminist scholars study the interconnections between gendered relationships of domination among humans, between humans, and between humans, nonhumans, and the earth. It is in this ideological and structural tangle between humans and the environment that a deeper understanding of gender violence is possible. Ecofeminism offers analytical possibilities for understanding a logic of domination that sustains a whole host of problems, including the interrelated oppressions of gender violence and exploitation of the more-than-human-life world. In this book, Gwen Hunnicutt brings into dialog ecofeminism and gender violence. Ideological components, such as speciesism and the belief that the earth and its nonhuman inhabitants are ours to exploit, inform a host of other...

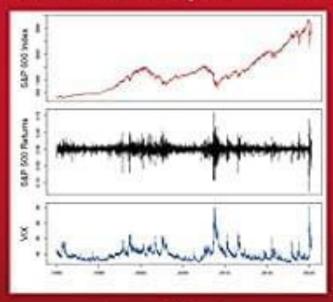




Call No : 323.092 HOP-B

In the early 2000s, Adrian Hong was a soft-spoken Yale undergraduate looking for his place in the world. After reading a harrowing account of life inside North Korea, he realized he had found a cause so pressing that he was ready to devote his life to it. What began as a trip down the safe and well-worn path of organizing soon morphed into something more dangerous. Hong journeyed to China, outwitting Chinese security services as he helped ferry asylum-seeking North Korean escapees to safety. Meanwhile, Hong's secret organization, Cheollima Civil Defense, began tracking the North Korean government's activities, and its volatile third-generation ruler, Kim Jong Un. Free Joseon targeted North Korean diplomats who might be persuaded to defect while drawing up plans for a government-in-exile. After the shocking...

Statistical Analysis of Financial Data With Examples in R



James E. Gentle



Acc. No : 48468

Call No : 332.0151955 GEN-J

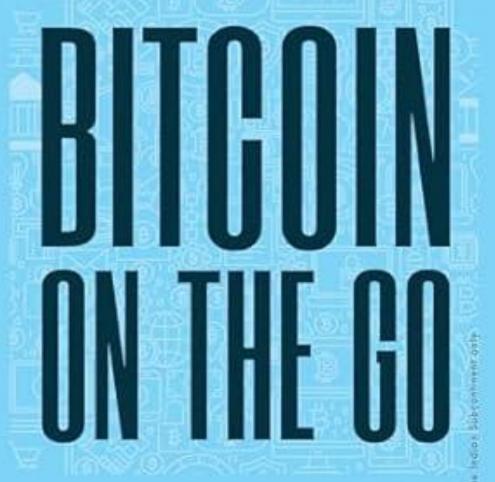
Statistical Analysis of Financial Data covers the use of statistical analysis and the methods of data science to model and analyze financial data. The first chapter is an overview of financial markets, describing the market operations and using exploratory data analysis to illustrate the nature of financial data. The software used to obtain the data for the examples in the first chapter for all computations and to produce the graphs is R. However, discussion of R is deferred to an appendix to the first chapter, where the basics of R, especially those most relevant in financial applications, are presented and illustrated. The appendix also describes how to use R to obtain current financial data from the internet. Chapter two describes the methods of exploratory data analysis, especially graphical methods, and...



"A great resource for unyone who wants to understand what blockshain and cryptocorrency is really all about."

 Faul Griffin, associate professor, School of Information Systems. Suppose Management University





The Basics of Cryptocurrencies and Blockchains-Condensed

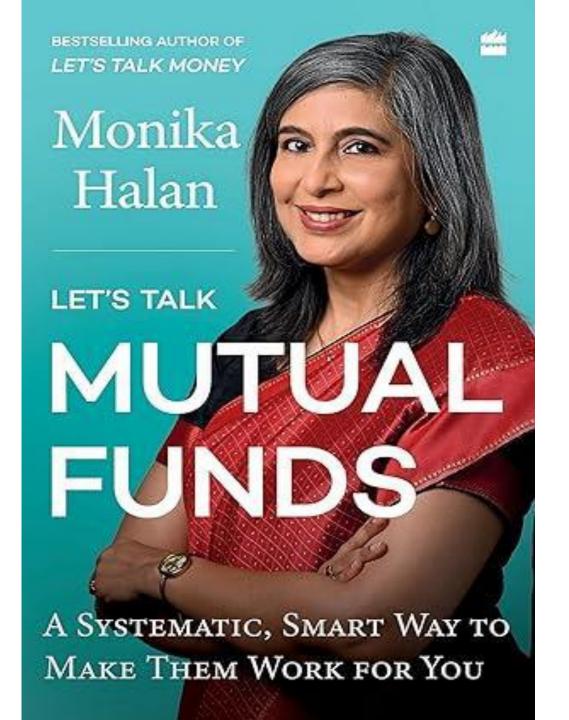




Acc. No : 48265

Call No : 332.4 LEW-A

Bitcoin, Ethereum, and other cryptocurrencies. Gain an understanding of a broad spectrum of Bitcoin topics including the history of Bitcoin, the Bitcoin blockchain, and Bitcoin buying, selling, and mining. Learn how payments are made, and how to put a value on cryptocurrencies and digital tokens. Blockchain technology. What exactly is a blockchain, how does it work, and why is it important? Bitcoin on the Go answers these questions and more. Learn about notable blockchain platforms, smart contracts, and other important facets of blockchains and their function in the changing cyber-economy. Things to know before buying cryptocurrencies. Find trustworthy and balanced insights Bitcoin investing and investing in other cryptocurrencies. Discover the risks and...





Call No : 332.6327 HAL-M

In the past two decades, mutual funds have emerged as the preferred investment option for Indians. They offer liquidity, and ease of entry and exit, along with potentially higher returns. This, in turn, makes mutual funds a natural choice over traditional investment options such as gold, real estate, and fixed deposits. However, while the popularity of mutual funds has increased in India, the ability to use them to our advantage has not. Investors are frozen by the choices they face with thousands of mutual fund options. Bestselling author and India's most respected financial writer Monika Halan is back! And this time she's talking mutual funds. In easy, simplified terms, Halan demystifies mutual funds and shows you how to make the most of them. From managing your cash flow and...



A THERAPEUTIC JOURNEY

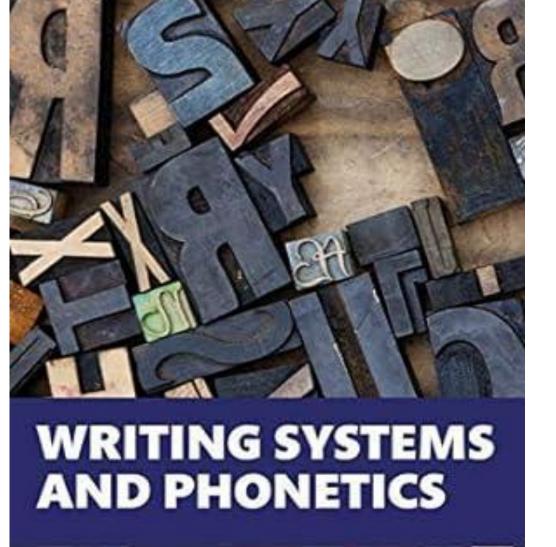
LESSONS FROM THE SCHOOL OF LIFE

ALAIN DE BOTTON

The Sunday Time Sestsolling unthrough The School of Life Acc. No : 48202

Call No : 371.8 BOT-A

This is a book about getting unwell. About losing direction and hope. About imagining that we have let ourselves and everyone down. But it is also a book about getting better. About regaining the thread, rediscovering meaning, and finding a way back to connection and joy. Here, Alain de Botton follows the arc of a mental health journey, from crisis to recuperation; the moments we realize we cannot cope; the acts of self-care or therapy in which we find respite; and the days we finally reclaim a sense of stability. Written with understanding and kindness, it is both a source of companionship in our loneliest moments whether it's a relationship breakdown, a career setback, or anxiety around every day, and a practical guide that will help us find reasons for hope. We are all on...



Alan Cruttenden

Acc. No : 48437

Call No : 411 CRU-A

Writing Systems and Phonetics provides students with a critical understanding of the writing systems of the world. Beginning by exploring the spelling of English, including how it arose and how it works today, the book goes on to address over 60 major languages from around the globe and includes detailed descriptions and worked examples of writing systems that foreground the phonetics of these languages. Key areas covered include the use of the Latin alphabet in and beyond Europe, writing systems of the eastern Mediterranean, Greek and its Cyrillic offshoot, Arabic and Hebrew, languages in south and south-east Asia, including Hindi, Tamil, Burmese and Thai, as well as in east Asia, including Chinese, Japanese and Korean, reflections on ancient languages such as Sumerian, Egyptian, Linear B and...







Dietmar Hildenbrand



Acc. No : 48511

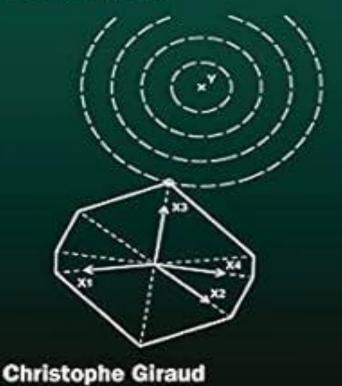
Call No : 516.35028553 HIL-D

Geometric Algebra is a very powerful mathematical system for an easy and intuitive treatment of geometry, but the community working with it is still very small. The main goal of this book is to close this gap from a computing perspective in presenting the power of Geometric Algebra Computing for engineering applications and quantum computing. The Power of Geometric Algebra Computing is based on GAALOPWeb, a new user-friendly, web-based tool for the generation of optimized code for different programming languages as well as for the visualization of Geometric Algebra algorithms for a wide range of engineering applications. Introduces a new web-based optimizer for Geometric Algebra algorithms. Supports many programming languages as well as hardware. Covers the advantages...

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Introduction to High-Dimensional Statistics

Second Edition



CRC Press

CRC Press

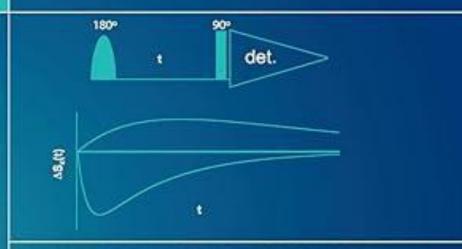
Taylor & Plante Droug

A CHAPMAN & HALL BOOK

Acc. No : 48509

Call No : 519.535 GIR-C

Introduction to High-Dimensional Statistics, Second Edition preserves the philosophy of the first edition: to be a concise guide for students and researchers discovering the area and interested in the mathematics involved. The main concepts and ideas are presented in simple settings, avoiding thereby unessential technicalities. High-dimensional statistics is a fastevolving field, and much progress has been made on a large variety of topics, providing new insights and methods. Offering a succinct presentation of the mathematical foundations of high-dimensional statistics, this new edition offers revised chapters from the previous edition, with the inclusion of many additional materials on some important topics, including compress sensing, estimation with convex constraints, the slope...



NUCLEAR SPIN RELAXATION IN LIQUIDS SECOND EDITION

Theory, Experiments, and Applications

Jozef Kowalewski Lena Mäler



Acc. No : 48481

Call No : 530.416 KOW-J

Nuclear magnetic resonance is widely used across many fields of science because of the rich data it produces, and some of the most valuable data come from studies of nuclear spin relaxation in solution. The first edition of this book published more than a decade ago, provided an accessible and cohesive treatment of the field. The present second edition is a significant update, covering important new developments in recent years. Collecting relaxation theory, experimental techniques, and illustrative applications into a single volume, this book clarifies the nature of the phenomenon, shows how to study it, and explains why such studies are worthwhile. Coverage ranges from basic to rigorous theory and from simple to sophisticated experimental methods. Topics include cross-relaxation, multipin...



Fundamentals of Thermodynamics

John H. S. Lee K. Ramamurthi



Acc. No : 48487

Call No : 536.7 LEE-J

concise treatment of the fundamentals thermodynamics is presented in this book. In particular, emphasis is placed on discussions of the second law, a unique feature of thermodynamics, which states the limitations of converting thermal energy into mechanical energy. The entropy function that permits the loss in the potential of a real thermodynamic process to be assessed, the maximum possible work in a process, and irreversibility and equilibrium are deduced from the law through physical and intuitive considerations. They are applicable in mitigating waste heat and are useful for solving energy, power, propulsion, and climate-related issues. The treatment is not restricted to the properties and functions of ideal gases. The ideal gas assumption is invoked as a limiting case. Reversible paths between...

Syukuro Manabe & Anthony J. Broccoli

How Numerical Models Revealed the Secrets of Climate Change

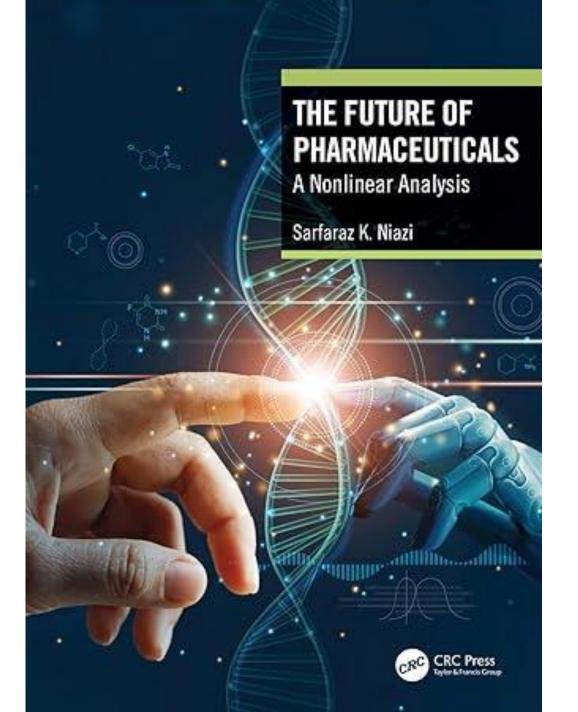


Acc. No : 48342

Call No : 551.6 MAN-S

Syukuro Manabe is perhaps the leading pioneer of modern climate modeling. Beyond Global Warming is his compelling first-hand account of how the scientific community came to understand the human causes of climate change, and how numerical models using the world's most powerful computers have instrumental to these vital discoveries. Joined by atmospheric scientist Anthony Broccoli, Manabe shows how climate models have been used as virtual laboratories for examining the complex planetary interactions of atmosphere, ocean, and land. Manabe and Broccoli use these studies as the basis for a broader discussion of human-induced global warming and what the future may hold for a warming planet. They tell the stories of early trailblazers such as Svante Arrhenius...





Call No : 615.1072 NIA-S

Before now, biological systems could only be expressed in terms of linear relationships, however, as knowledge grows and new techniques of analysis on biological systems are made available, we are realizing the nonlinearity of these systems. The concepts and techniques of nonlinear analysis allow for more realistic and models in science. The **Future** accurate Pharmaceuticals: A Nonlinear Analysis provides an opportunity to understand the non-linearity of biological systems and their application in various areas of science, primarily pharmaceutical sciences. This book will benefit professionals in pharmaceutical industries, academia, and policy who are interested in an entirely new approach to how we will treat disease in the future. Addresses a new approach to nonlinear...



APPLIED ENGINEERING MATHEMATICS



Brian Vick

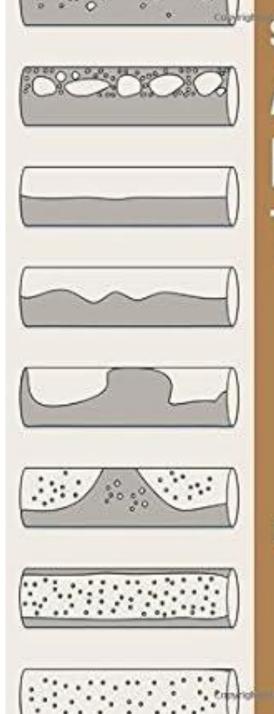




Acc. No : 48496

Call No : 620.00151 VIC-B

Undergraduate engineering students need mathematics skills. This textbook supports this need by placing a strong emphasis on visualization and the methods and tools needed across the whole of engineering. The visual approach is emphasized, and excessive proofs and derivations are avoided. The visual images explain and teach the mathematical methods. The book's website provides dynamic and interactive codes in Mathematica to accompany the examples for the reader to explore on their own with Mathematica or the free Computational Document Format player, and it provides access for instructors to a solutions manual. Strongly emphasizes a visual approach to engineering mathematics. Written for years 2 to 4 of an engineering degree course. The website offers support with...



ADVANCED HEAT TRANSFER

GREG F. NATERER





Acc. No : 48141

Call No : 621.4022 NAT-G

The book provides a valuable source of technical content for the prediction and analysis of advanced heat transfer problems, including conduction, convection, radiation, phase change, and chemically reactive modes of heat transfer. With more than 20 new sections, case studies, and examples, the Third Edition broadens the scope of thermal engineering applications, including but not limited to biomedical, micro- and nanotechnology, and machine learning. The book features a chapter devoted to each mode of multiphase heat transfer. FEATURES Covers the analysis and design of advanced thermal engineering systems Presents solution methods that can be applied to complex systems such as semi-analytical, machine learning, and numerical methods Includes a chapter devoted to each mode of multiphase heat...





Water Environment Modeling

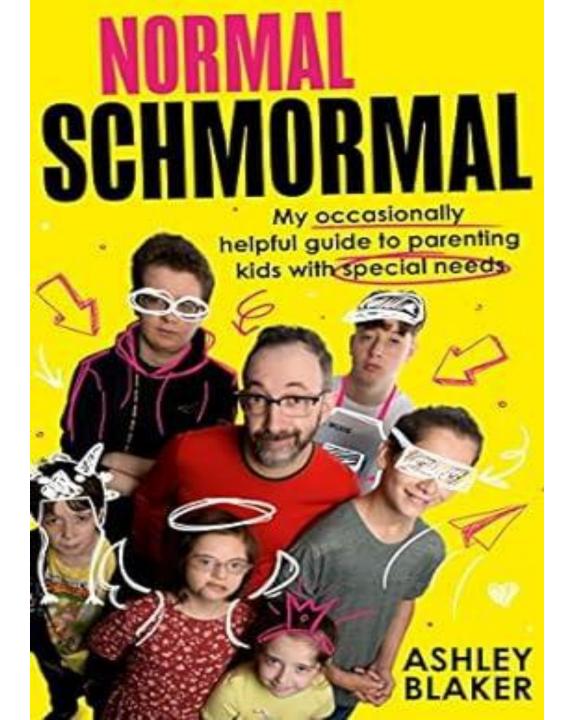


Clark C.K. Liu, Pengzhi Lin, and Hong Xiao

Acc. No : 48476

Call No : 627 LIU-C

Water Environment Modelling covers the formulations and applications of mathematical models that simulate water flow and chemical transport in rivers, lakes, groundwater, estuaries, and coastal, and ocean waters. These models are used to evaluate the response of the water environment to human interventions and serve as useful analytical tools for water pollution control and resource management. Simple and comprehensive modeling techniques and their practical applications are presented with examples and exercises, most of which are derived from actual case studies. In general, simple models can be solved analytically and comprehensive models require numerical solutions. While simple models are usually adopted for preliminary assessment of a particular water...





Call No : 649.151 BLA-A

The heart-warming and hilarious part-memoir, partguide from comedian and father-of-six Ashley Blaker, on parenting, adoption, and raising children with special needs. 'We had such a variety of experts visiting our home, we needed a revolving door. All these professionals would watch our son playing while shaking their heads and making tutoring sound like builders considering a bad job you wanted them to fix. Tut. No speech, disordered social skills, or sensory issues. This is going to cost you. Ashley Blaker has six children, three of whom have a SEN diagnosis. Between endless meetings, countless therapists, public humiliations, failed playdates, surreal monologues, and occasional violence, it's certainly not what anyone would call a normal household but would he want it any other...





THE

'A valuable resource guide for leaders and management students.' — Ramon Roy, former Chairman at NASSCOM and Managing Director as Quatro

ELEPHANT

AT THE

DINNER THRIF

A JOURNEY INTO EXPERIENTIAL LEADERSHIP

Acc. No : 47895

Call No : 658.407 NAG-A

Fear of not being good enough, Unfulfilled potential Anxiety around the future, Purpose-driven career, Inability to harmonize between work and life, Meaningful work, Resonate with these challenges and aspirations and seeking a way forward? Yes, you have picked up the right book. Thirty-three real-life short stories from my experiences will inspire you and invite you to the world of possibilities. Application-oriented examples and ideas from global leaders and organizations will help you find answers and a way forward. Experience the immense power of wearing a lens of abundance, curiosity, and intent and boost your leadership skills. By weaving my real-life experiences of over 31 years, with five years of dedicated research, interviews with successful leaders across the globe...

SERIES TITLE: EMERGING MATERIALS AND TECHNOLOGIES

NANOMATERIALS IN BIONANOTECHNOLOGY

Fundamentals and Applications



edited by Ravindra Pratap Singh Kshitij RB Singh





Acc. No : 48531

Call No : 660.60284 PRA-R

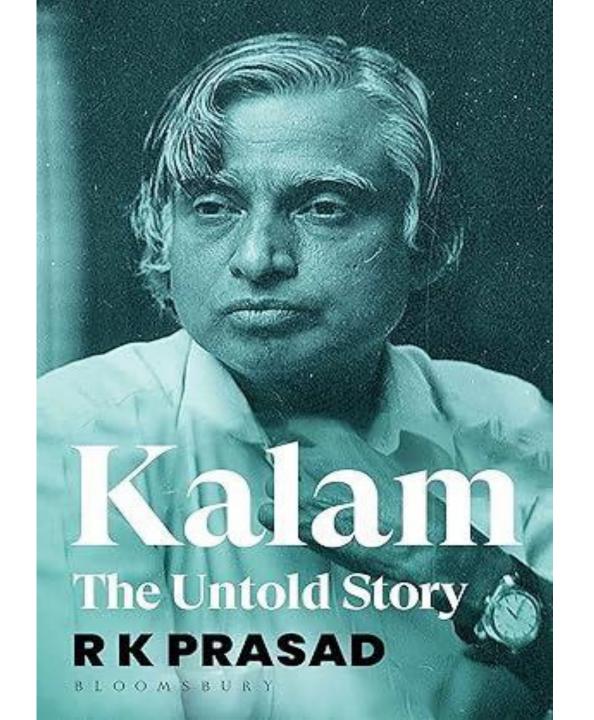
Nanomaterials in Bio Nanotechnology: Fundamentals and Applications offers a comprehensive treatment of nanomaterials in biotechnology from fundamentals to applications, along with their prospects. This book explains the basics of nanomaterial properties, synthesis, biological synthesis, and chemistry and demonstrates how to use nanomaterials to overcome problems in agricultural, environmental, and biomedical applications. Covers nanomaterials for environmental analysis and monitoring for heavy metals, chemical toxins, and water pollutant detection. Describes nanomaterials-based biosensors and instrumentation and use in disease diagnosis and therapeutics. Discusses nanomaterials for food processing and packaging and agricultural waste management. Identifies challenges...

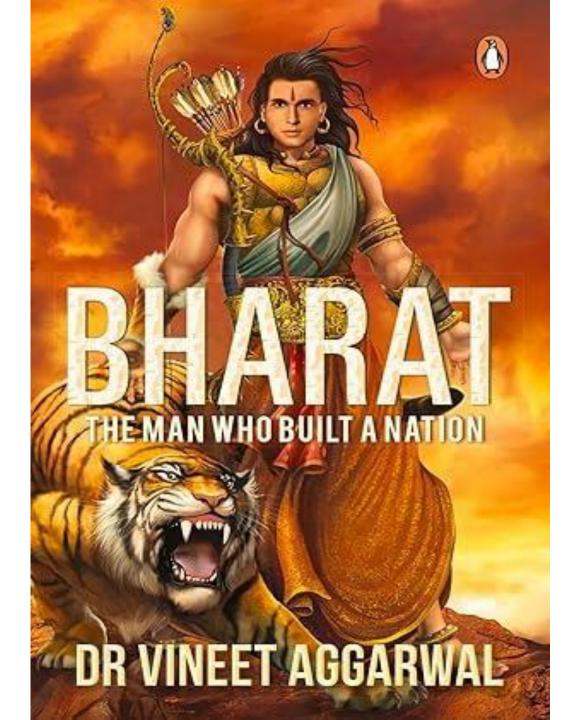




Call No: Biography PRA-R

Role model. Icon. Space scientist. Missile man. Bestselling author of books that have sold in millions and been translated into every Indian language. Bharat Ratna, Besides Padma Bhushan and Padma Vibhushan. A following of millions. Dozens of other honors. The most popular President ever. In the small, exclusive world of New Delhi's power centers, however, all that can count for little with the bureaucrats who set the rules and the politicians to whom they report. In Kalam: The Untold Story, R K Prasad, his private secretary from 1995 to his death in 2015, shows us another Kalamaccomplished, successful, always modest despite the high positions he occupied, as also vulnerable and innocent. It is a journey he was part of, from Kalam's time as Scientific Adviser to the Defence Minister and...

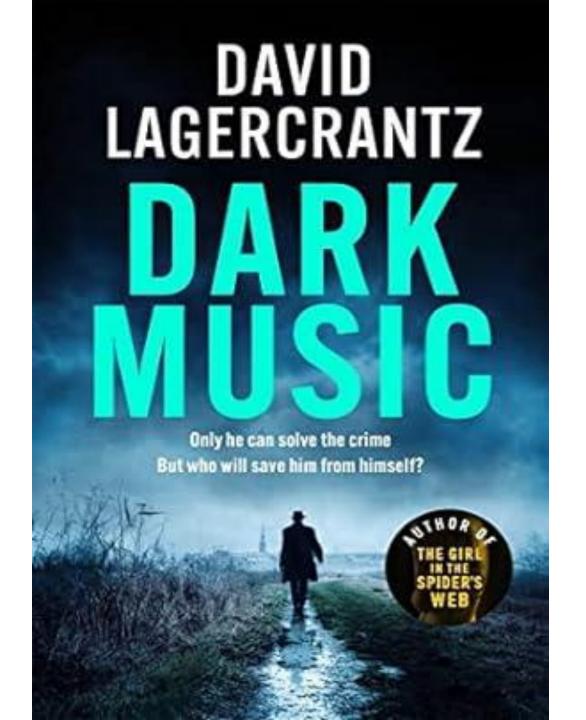






Call No: Fiction AGG-V

After Vishwamitra and The Legend of Parshu-Raam, comes the epic saga of the king of Bharatvarsh! The kingdoms of Nabhi-varnish lie scattered in the wake of Parshu-Raam's assault on corrupt Kshatriyas. While evil has been wiped out from the land, the important task of nation-building remains. In the forest of Naimish-Aranya, the stunned king of Hastinapur watches a young boy play with lion cubs. Who is this fearless child? How does his destiny entwine with that of this ancient kingdom? Will he be able to bring order to the nation and defend it against the invaders lining up at its borders? Reimagined brilliantly, this novel tells the story of the son of Dushyant and Shakuntala, the grandson of Brahmarishi Vishwamitra, the man who changed the destiny of our country and gave it a brand-new...





Call No: Fiction LAG-D

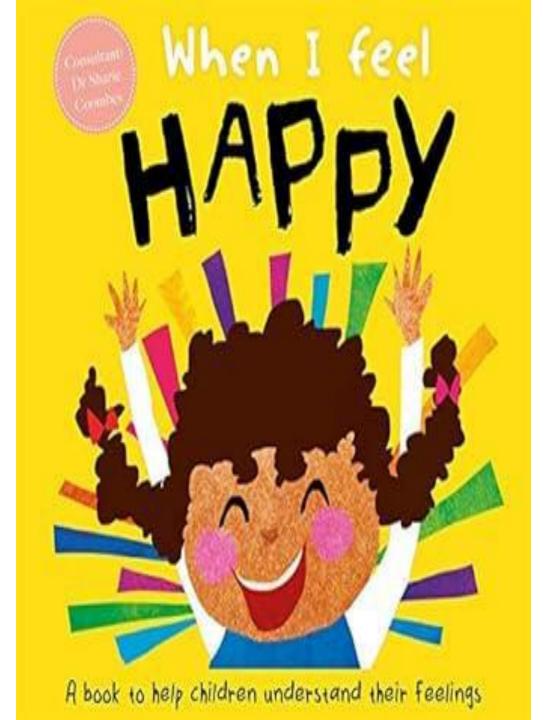
The launch of a new series inspired by Sherlock Holmes. A murder investigation brings together two unlikely allies in a race to uncover a shadowy international conspiracy. Professor Hans Rekke was born into a wealthy Stockholm family, a world authority on interrogation techniques, capable of vertiginous feats of logic and observation. But he might just fall apart when the going gets tough, leading to substance abuse and despair. Micaela Vargas: community police officer, born to Chilean political refugees in a tough suburb, with two brothers on the shady side of the law. Vargas feels she has something to prove. She's tenacious and uncompromising, but she needs Rekke's unique mind to help her solve the case. Rekke has it all wealth, and reputation but also a tendency to throw it all...

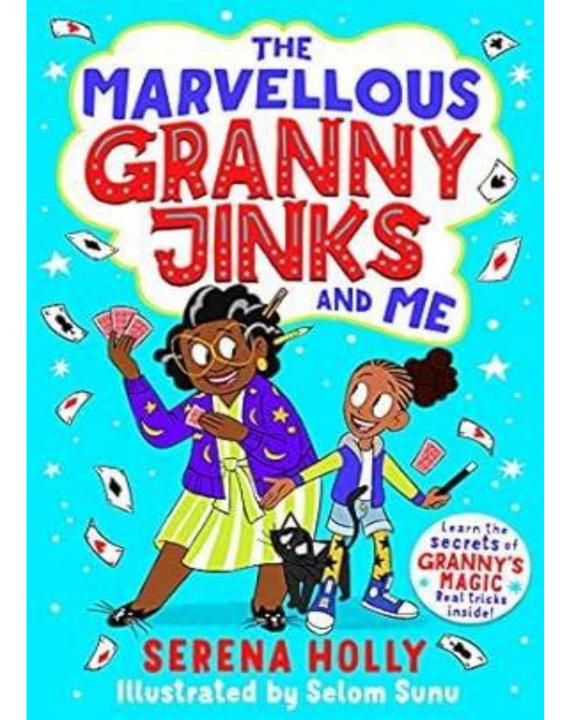




Call No: Fiction COO-S (Young Learners)

When I feel happy, it starts with a fizzing, fluttery feeling, as if lots of little butterflies are flying all around me. Then there's whoosh and I feel like I am floating into the sky, lifted by a big bunch of balloons. And high up in the sky, where I am floating with my big bunch of balloons, everything is sunny and bright. When I feel happy, I feel all warm and tingly from the tips of my fingers to my wiggly little toes. When I feel happy, everything is bright and colorful. I look around and find lots more things to feel happy about. They come in all shapes and sizes, giant like a rainbow or tiny like a ladybird. When I feel happy, I want to share my happiness with everyone I meet. It's strange and magical, because the more I share it with the people around me, the more happiness I seem to have. Developed in close consultation with expert...







Call No: Fiction HOL-S (Young Learners)

Join Jada and Granny Jinks in this charming new series for readers aged 6+! Gorgeously illustrated throughout by Selom Sunu, and brimming with warmth, tricks, and magic, this is the perfect read for fans of The Naughtiest Unicorn, Bad Nana, and Wiggles Bottom Primary. When Jada Jinks finds a box of magic tricks in her granny's flat, she uncovers her granny's SECRET dream of becoming a magician. Jada soon decides that she's going to help Granny Jinks fulfill her dreams, but one thing stands in her way her dad, Jonny Jinks, who hates magic! Will Jada be able to help Granny Jinks pass the auditions for Dalton Green Magic Society, and will she learn some tricks of her own along the way? Inspired by the true story of Jenny Mayer the first Black woman to be accepted into the Magic Circle. Includes how-to magic...

Links to Access Library Resources / Services

OPAC Link: http://libraryopac.bits-hyderabad.ac.in/

E-Resources Link: https://www.bits-pilani.ac.in/hyderabad/bitsLibrary

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

