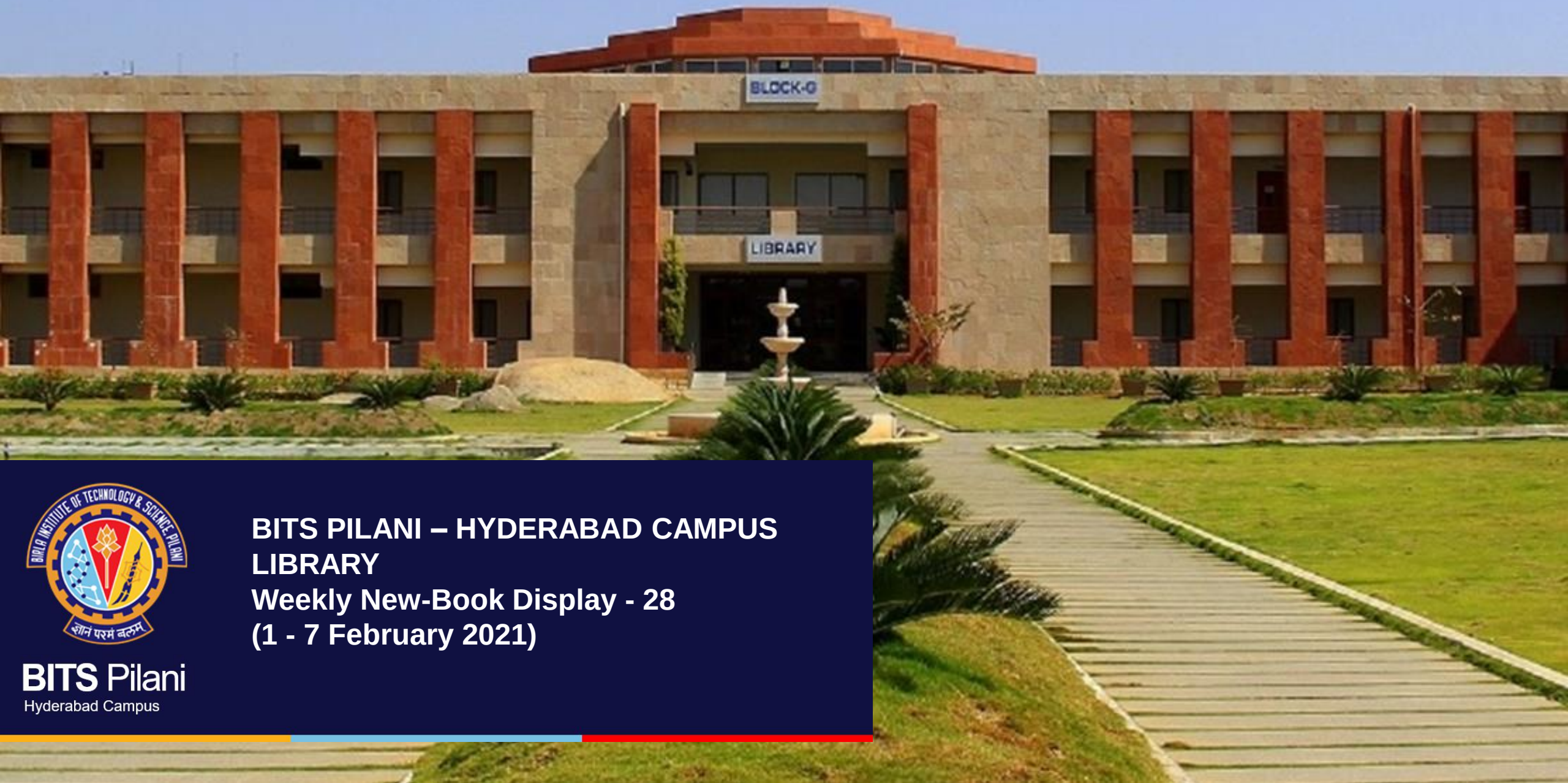




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INTERVIEWS WITH SOME OF THE TOP PROGRAMMERS OF OUR TIMES

JAMIE ZAWINSKI

BRAD FITZPATRICK

DOUGLAS CROCKFORD

GUY STEELE

DAN INGALLS

L PETER DEUTSCH

CODERS AT WORK

REFLECTIONS ON THE CRAFT OF PROGRAMMING

BRENDAN EICH

JOSHUA BLOCH

JOE ARMSTRONG

SIMON PEYTON JONES

PETER NORVIG

KEN THOMPSON

FRAN ALLEN

BERNIE COSELL

DONALD KNUTH

"Peter Seibel asks the sort of questions only a fellow programmer would ask. Reading this book may be the next best thing to chatting with these illustrious programmers in person."

—EHUD LAMM, Founder of *Lambda the Ultimate* - the programming languages weblog

P E T E R S E I B E L

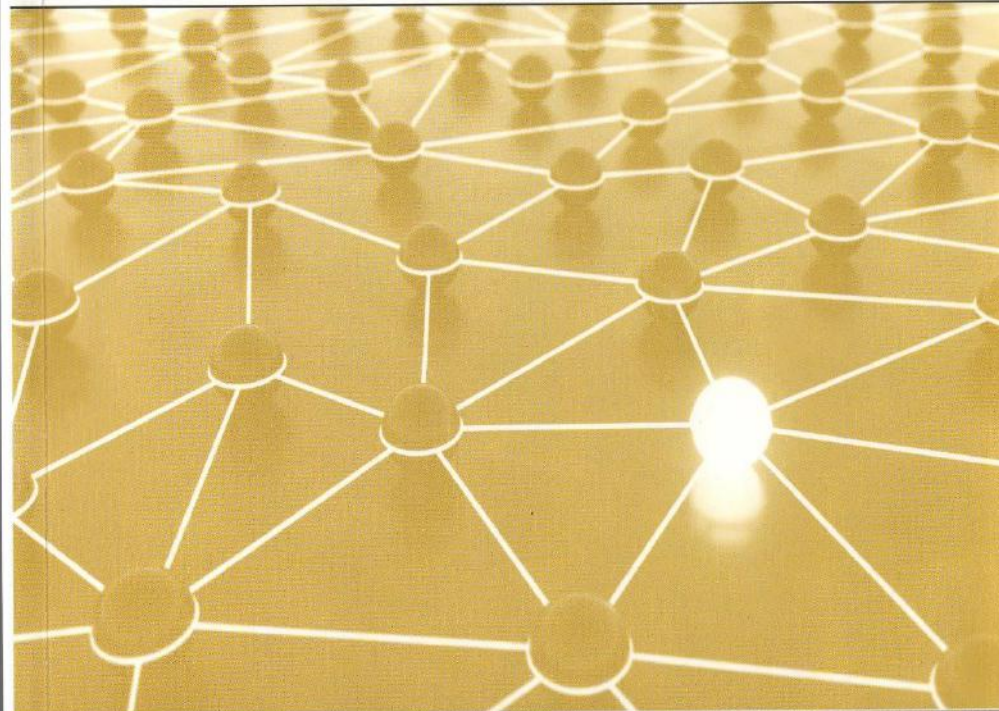


Acc. No : 41077

Call No : 005.1 SEI-P

Programming in an unusually obscure craft. Programmers usually work alone or in small groups and the most interesting parts of what they do happen in their heads where no one can see what is really going on. Then the artifact programmers produce code is chewed up by a machine to produce runnable programs whose behavior is the only window most people will ever have into the programmer's work. Further complicating matters, many programmers even those who studied computer science in school are autodidacts when it comes to programming. So most programmers know only how they themselves, and maybe a few co-workers do the work of programming and how they themselves learned to do it. This book tricks to illuminate these obscured corners...

OPTIMIZATION FOR MACHINE LEARNING



EDITED BY
SUVRIT SRA
SEBASTIAN NOWOZIN
STEPHEN J. WRIGHT



MIT Press



Acc. No : 41215

Call No : 006.31 SRA-S

The interplay between optimization and machine learning is one of the most important developments in modern computational science. Optimization approaches have enjoyed prominence in machine learning because of their wide applicability and attractive theoretical properties. The increasing complexity, size, and variety of today's machine learning models call for the reassessment of existing assumptions. This book starts the process of reassessment. It describes the resurgence in novel contexts of established frameworks such as first-order methods, stochastic approximations, convex relaxations, interior-point methods, and proximal methods. It also devotes attention to newer themes such as regularized optimization, robust optimization...



MYSTERIES UNCOVERED

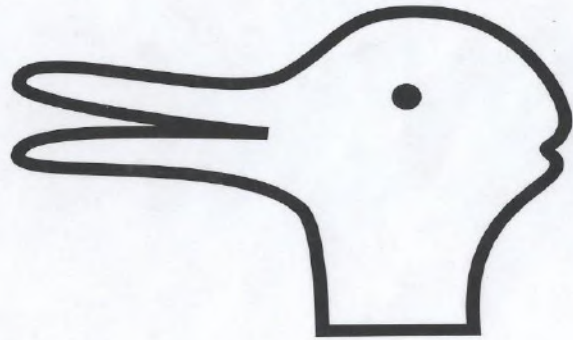
TRUE STORIES OF THE
PARANORMAL
AND UNEXPLAINED

Emily G. Thompson

Acc. No : 41678

Call No : 133.8 THO-E

Exploring the world's most fascinating mysteries from disappearances to paranormal events. The mysterious is all around us. UFOs, extraterrestrial encounters, baffling disappearances-Mysteries Uncovered investigates, without prejudice, some of the most notorious, disturbing and enduring mysteries ever recorded. UFO activity: the Roswell Incident, the Phoenix Lights, the Rendlesham Incident. Alien abduction: the Barney and Betty Hill case. Uncanny events: the missing crew of the Marie Celeste, the lost colony of Roanoke, the fate of Amelia Earhart. Notorious disappearances: the cases of Lord Lucan and "D.B. Cooper". For every instance rationalized away, there is another that defies explanation. The mysterious is all around us. UFOs, extraterrestrial encounters...



A Brief Guide to Smart Thinking

From Zeno's Paradoxes
to Freakonomics

James M. Russell



Acc. No : 41712

Call No : 150 RUS-J

Each book is summarized to convey a brief idea of what each one has to offer the interested reader, while a 'Speed Read' for each book delivers a quick sense of what each book is like to read and a highly compressed summary of the main points of the book in question. The titles covered include thought-provoking classics on psychology, mindfulness, rationality, the brain, mathematical and economic thought and practical philosophy. The selection includes books about self-improvement as well as historically interesting accounts of how the mind works. Titles included go back as far as the Epictetus classic *The Enchiridion* and Bertrand Russell's charming *The ABC of Relativity*, and proceed through classics such as Edward de Bono's *Lateral Thinking* and into the digital era with...

THE SUNDAY TIMES BESTSELLER



RICHARD DAWKINS

Outgrowing God

A BEGINNER'S GUIDE

'Dawkins' contagious enthusiasm renders the basics of natural selection newly astonishing.'
Guardian

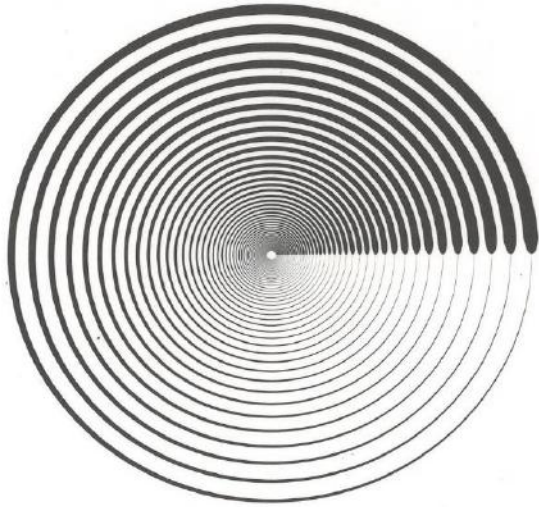


Acc. No : 41730

Call No : 211.8 DAW-R

Should we believe in God? Which God? Thousands of God have been worshipped throughout the world, throughout history. Polytheists believe in lots of gods all at the same time. Do we need God in order to explain the existence of the universe? Do we need God in order to be good? In twelve chapters that address some of the most profound questions human beings confront, Dawkins marshals science, philosophy and comparative religion to interrogate the hypocrisies of all the religious systems and explain to readers of all ages how life emerged without a Creator, how evolution works and how our world came into being. For anyone hoping to grapple with the meaning of life and what to believe, *Outgrowing God* is a challenging, thrilling and revelatory...

OM SWAMI



THE BIG QUESTIONS OF LIFE

Is suffering a necessary part of life?
Is it in our hands to avoid pain?
How?



Acc. No : 41613

Call No : 248.4 SWA-O

Pain is inevitable; suffering is optional. Loss is unavoidable; grief isn't. Death is certain. And life? Well, life isn't certain. Its uncertainty, unpredictability, even its irrationality, make it what it is. Often, we run blindly into fire, we step on snakes, we get entangled in snares these are the fires of desire, the snakes of attachment, and the snares of jealousy and covetousness. If we are bitten, burnt and hurt, we call it suffering, and believe it to be the way of life, when, in fact, we are mistaking our pain for our suffering. We have little control over the former but the latter is almost entirely in our hands. We can take things in our stride or be tossed on the tide. All it takes is to be able to open our eyes. This choice, we must remember, is ours; always. Om Swami's new book marks the way to enlightenment through...

New Dark Age

Technology
and the
End of the
Future

James
Bridle

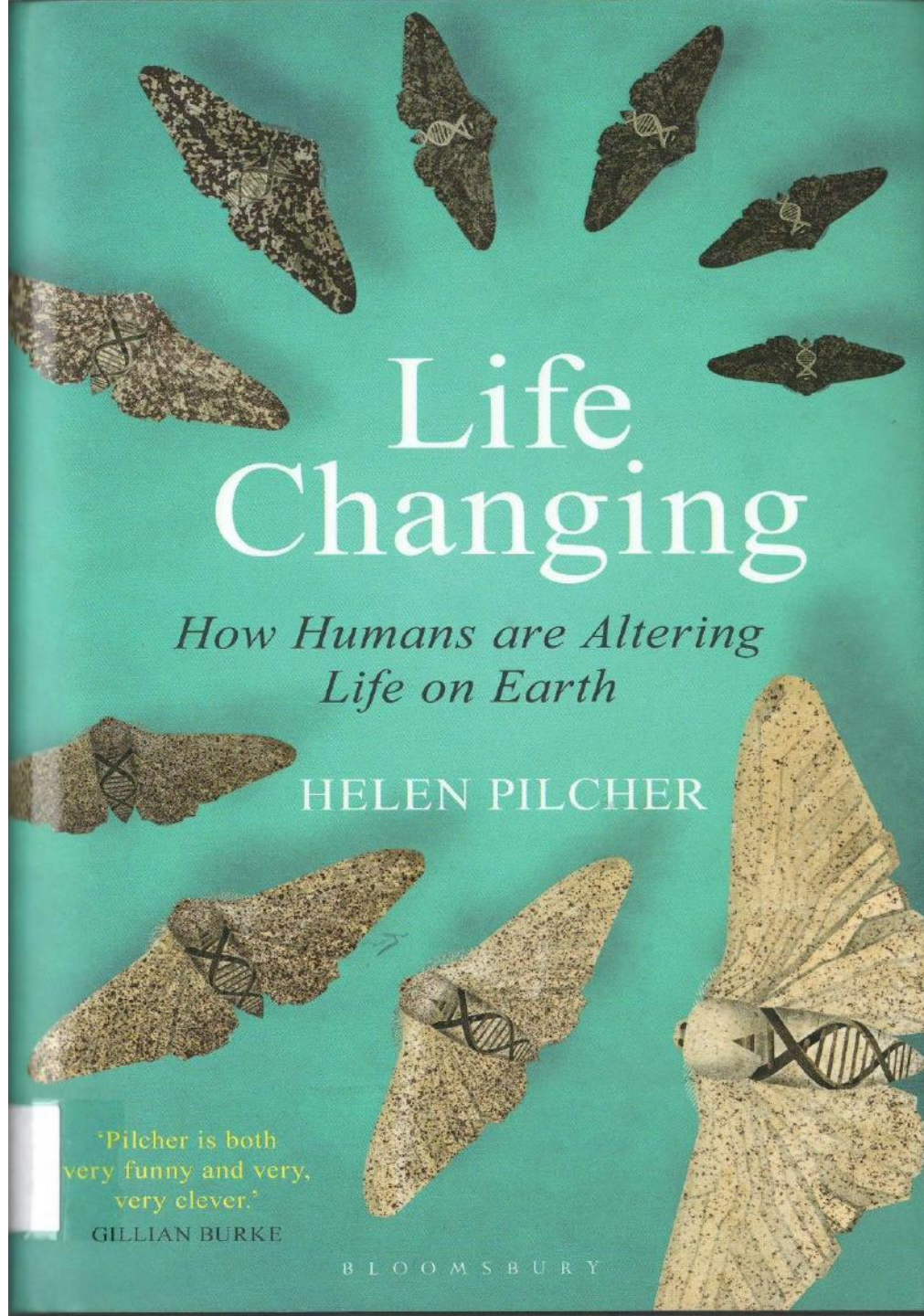
'Brilliant and bracing' – *Guardian*



Acc. No : 41576

Call No : 303.483 BRI-J

As the world around us increases in technological complexity, our understanding of it diminishes. Underlying this trend is a single idea: the belief that our existence is understandable through computation, and more data is enough to help us build a better world. In reality, we are lost in a sea of information, increasingly divided by fundamentalism, simplistic narratives, conspiracy theories, and post-factual politics. Meanwhile, those in power use our lack of understanding to further their own interests. Despite the apparent accessibility of information, we're living in a new Dark Age. From rogue financial systems to shopping algorithms, from artificial intelligence to state secrecy, we no longer understand how our world is governed or...



Acc. No : 41731

Call No : 304.27 PIL-H

For the last three billion years or so, life on Earth has been shaped by natural forces. Evolution happens slowly, with species crafted by natural selection across millennia. Then, a few hundred thousand years ago, along came a bolshie, big-brained, bipedal primate we now call 'Homo sapiens', and with that the Earth's natural history came to an abrupt end. We are now living through the post-natural phase, where the fate of all living things is irrevocably intertwined with our own. We domesticated animals to suit our needs, and altered their DNA - wolves became dogs to help us hunt and jungle fowl became chickens to provide us with eggs. As our knowledge grew we found new ways to tailor the DNA of animals more precisely; we've now cloned police dogs and created a little...

THE NEXT GREAT MIGRATION

The Story of Movement on a Changing Planet



'Dazzlingly
original'
NAOMI KLEIN

SONIA SHAH

BLOOMSBURY

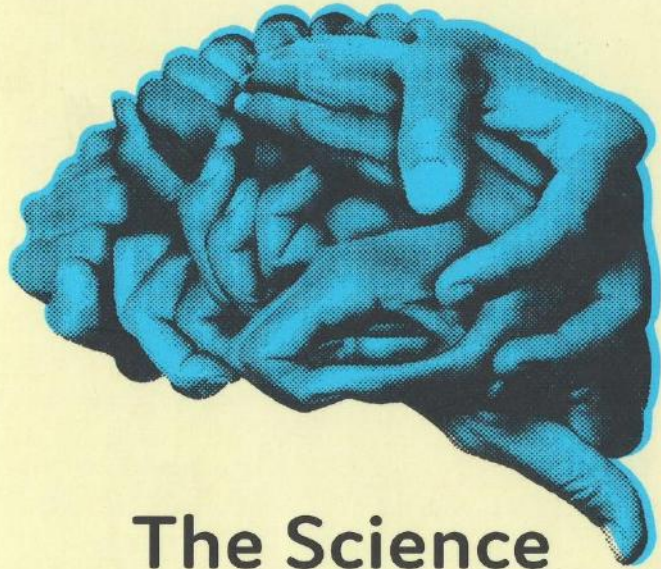


Acc. No : 41592

Call No : 304.809 SHA-S

We are surrounded by stories of people on the move. Wild species, too, are escaping warming seas and desiccated lands in a mass exodus. Politicians and the media present this upheaval of migration patterns as unprecedented, blaming it for the spread of disease and conflict, and spreading anxiety across the world as a result. But the science and history of migration in animals, plants, and humans tell a different story. Far from being a disruptive behavior, migration is an ancient and lifesaving response to environmental change, a biological imperative as necessary as breathing. Climate changes triggered the first human migrations out of Africa. Falling sea levels allowed our passage across the Bering Sea. Unhampered by borders, migration allowed our ancestors to...

GRASP



The Science
Transforming How
We Learn

Sanjay Sarma

Head of Open Learning at MIT

with Luke Yoquinto



Acc. No : 41771

Call No : 370.1523 SAR-S

As the head of Open Learning at MIT, Sanjay Sharma has a daunting job description: to fling open the doors of the MIT experience for the benefit of the wider world. But if you're going to undertake such an ambitious project, you must first ask: How exactly does learning work? What conditions are most conducive? Are our traditional classroom methods - lecture, homework, test, repeat actually effective? And if not, which techniques are? Grasp takes readers across multiple frontiers, from fundamental neuroscience to cognitive psychology and beyond, as it explores the future of learning. For instance. Scientists are studying the role of forgetting, exposing it not as a simple failure of memory but a critical weapon in our learning arsenal. New developments in neuroimaging are...

'A touchstone book . . . Crisp and incisive.'
JIM COLLINS, bestselling author of *Good to Great*

HOW AMAZON
IS CHANGING OUR LIVES
AND WHAT THE WORLD'S
BEST COMPANIES
ARE LEARNING FROM IT

bezonomics

BRIAN DUMAINE



Acc. No : 41649

Call No : 381.1420 DUM-B

Like a giant squid, Amazon's tentacles are squeezing industry after industry and, in the process, upsetting the state of technology, the economy, job creation and society at large. So pervasive is Amazon's impact that business leaders in almost every sector need to understand how this force of nature operates and how they can respond to it. Saying you can ignore Jeff Bezos is equivalent to saying you could ignore Henry Ford or Steve Jobs in the early years of Ford and Apple. These titans monumentally changed how we do business, redefining the rules on a global scale. Amazon founder Jeff Bezos is the new disruptor on the block. He has created a 21st century algorithm for business and societal disruption. He has turned the retail industry inside...



A textbook of Finite Element Analysis Formulation and Programming

D.K. Maharaj



Distributed by:

WILEY

Acc. No : 40901

Call No : 518.25 MAH-D

A Textbook of finite element analysis presents detailed finite element formulation for 1D, 2D, 3D trusses, beams, frames, plane stress, plane strain, axisymmetric, 3D problems, plates and shell problems. The book includes chapters on solving finite element equations and numerical integration and a Chapter on programming finite element method with input and output for different types of problems. Chapters on advanced topics like heat transfer, fluid flow and torsion, finite element software, variation methods, finite elements in dynamics and vibrations, material nonlinearity and geometric nonlinearity have also been dealt with. Most of the chapters include element formulation with worked out examples, exercises and...

Cambridge Series in Statistical
and Probabilistic Mathematics

Predictive Statistics

Analysis and Inference beyond Models

Bertrand S. Clarke
Jennifer L. Clarke



Acc. No : 41216

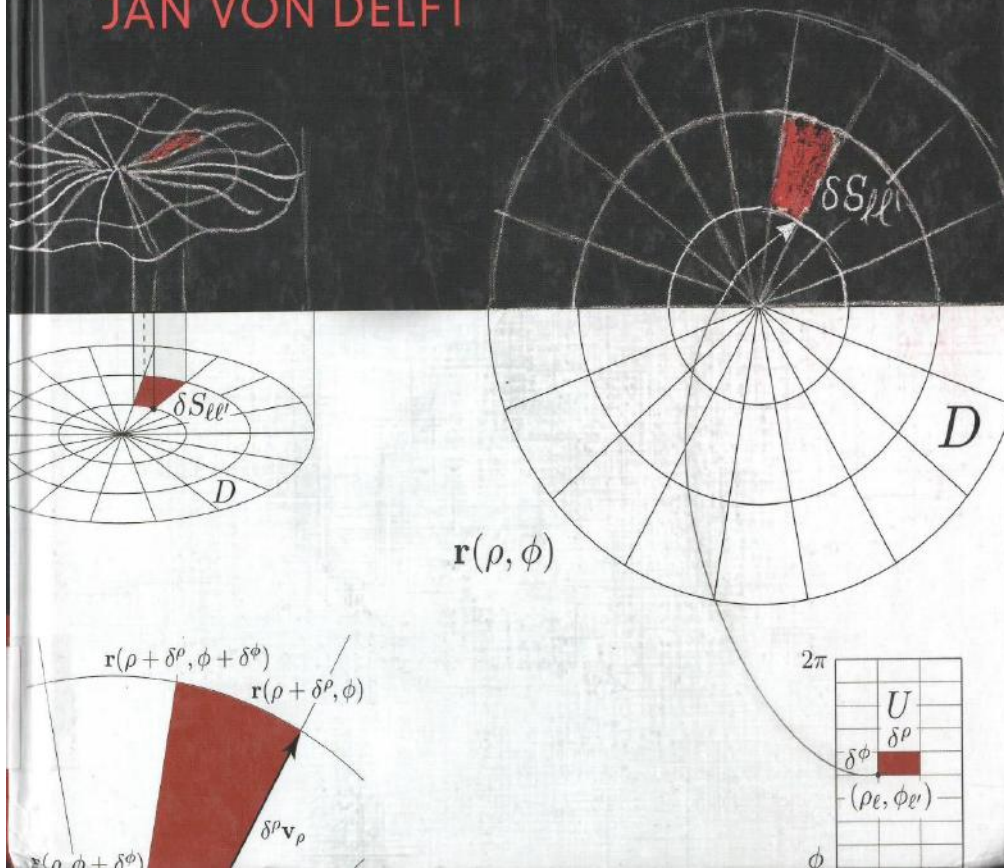
Call No : 519.287 CLA-B

All scientific disciplines prize predictive success. Conventional statistical analyses, however, treat prediction as secondary, instead focusing on modeling and hence estimation, testing, and detailed physical interpretation, tackling these tasks before the predictive adequacy of a model is established. This book outlines a fully predictive approach to statistical problems based on studying predictors; the approach does not require predictors correspond to a model although this important special case is included in the general approach. Throughout, the point is to examine predictive performance before considering conventional inference. These ideas are traced through five traditional subfields of statistics, helping readers to refocus and adopt a directly predictive...

Mathematics for Physicists

Introductory Concepts and Methods

ALEXANDER ALTLAND
JAN VON DELFT



Acc. No : 41345

Call No : 530.15 ALT-A

This textbook is a comprehensive introduction to the key disciplines of mathematics - linear algebra, calculus, and geometry - needed in the undergraduate physics curriculum. Its leitmotiv is that success in learning these subjects depends on a good balance between theory and practice. Reflecting this belief, mathematical foundations are explained in pedagogical depth, and computational methods are introduced from a physicist's perspective and in a timely manner. This original approach presents concepts and methods as inseparable entities, facilitating in-depth understanding and making even advanced mathematics tangible. The book guides the reader from high-school level to advanced subjects such as tensor algebra, complex functions, and differential...

Giorgio Benedek
Jan Peter Toennies

Atomic Scale Dynamics at Surfaces

Theory and Experimental Studies with
Helium Atom Scattering

 Springer



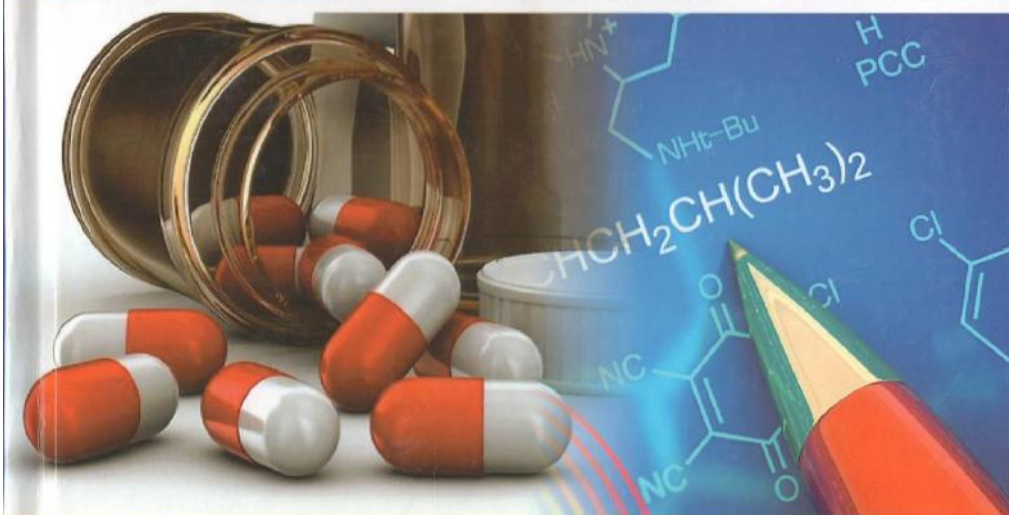
Acc. No : 41367

Call No : 539.758 BEN-G

Experimental advances in helium atom scattering spectroscopy over the last forty years have allowed the measurement of surface phonon dispersion curves of more than 200 different crystal surfaces and overlayers of insulators, semiconductors and metals. The first part of the book presents, at a tutorial level, the fundamental concepts and methods in surface lattice dynamics, and the theory of atom-surface interaction and inelastic scattering in their various approximations, up to the recent electron-phonon theory of helium atom scattering from conducting surfaces. The second part of the book, after introducing the experimentalist to He-atom spectrometers and the rich phenomenology of helium atom scattering from corrugated surfaces, illustrates the most significant...

Natural Products

– Drug Development



K Tayung
A Puratchikody
S Ramakrishnan



Acc. No : 41152

Call No : 547.7 TAY-K

The importance of natural products for medicine and health has been enormous. Due to diverse biological activities and medicinal potentials of natural products, nearly every civilization has accumulated experience and knowledge of their use. During the last two decades, research aimed at exploiting natural products as a resource has seriously declined. This is in part due to the development of new technologies such as combinatorial chemistry, metagenomics and high-throughput screening. However, the new drug discovery approaches did not fulfilled the initial expectations. This has lead to a renewed interest in natural products, determined by the urgent need for new drugs, in particular to fight against infections caused by multi-resistant pathogens. Besides, untapped biological...

Infectious Disease
Series Editor: Vassil St. Georgiev

Manjunath P. Pai
Jennifer J. Kiser
Paul O. Gubbins
Keith A. Rodvold *Editors*

Drug Interactions in Infectious Diseases: Antimicrobial Drug Interactions

Fourth Edition

 Humana Press



Acc. No : 41316

Call No : 615.7045 PAI-M

The 4th edition of Drug Interactions in Infectious Diseases is being split into two separate volumes Mechanisms and Models of Drug Interactions and Antimicrobial Drug Interactions. This volume, "Antimicrobial Drug Interactions," delivers a quick clinical resource that distills relevant drug interactions by antimicrobial drug class. The book provides informative tables on specific drug-drug interactions that include the degree and severity of the expected interaction. A mechanistic basis for drug-drug interactions is also provided to link observed interactions to pharmacologic characteristics of key drug classes. This complete resource is organized by major antibacterial, ant mycobacterial, antiviral, antifungal, antimalarial and...

Engineering Mechanics

Problems and Solutions

Arshad Noor Siddiquee
Zahid Akhtar Khan
Pankul Goel

CAMBRIDGE



Acc. No : 40428

Call No : 620.10076 SID-A

This comprehensive and self-contained textbook will help students in acquiring an understanding of fundamental concepts and applications of engineering mechanics. With basic prior knowledge, the readers are guided through important concepts of engineering mechanics such as free body diagrams, principles of the transmissibility of forces, Coulomb's law of friction, analysis of forces in members of truss and rectilinear motion in horizontal direction. Important theorems including Lami's theorem, Varignon's theorem, parallel axis theorem and perpendicular axis theorem are discussed in a step-by-step manner for better clarity. Applications of ladder friction, wedge friction, screw friction and belt friction are discussed in detail. The textbook is primarily written for...

ROCKET PROPULSION

Stephen D. Heister
William E. Anderson
Timothée L. Pourpoint
R. Joseph Cassady



Acc. No : 41286

Call No : 621.4356 HEI-S

A modern pedagogical treatment of the latest industry trends in rocket propulsion, developed from the authors' extensive experience in both industry and academia. Students are guided along a step-by-step journey through modern rocket propulsion, beginning with the historical context and an introduction to top-level performance measures, and progressing on to in-depth discussions of the chemical aspects of fluid flow combustion thermochemistry and chemical equilibrium, solid, liquid, and hybrid rocket propellants, mission requirements, and an overview of electric propulsion. With a wealth of homework problems, real-life case studies and examples throughout, and an appendix detailing key numerical methods and links to additional online resources, this is a must-have...

MedTech Science & Technology Series

ELECTRIC DRIVE

M. Chilikin



Acc. No : 41392

Call No : 621.46 CHI-M

Electrical drives generally play a key role in power generation, household appliances, automotive and industrial applications. The rapidly expanding area of adjustable speed drives as used in robotics, wind turbines and hybrid vehicles is driven by innovations in machine design, power semiconductors, digital signal processors and simulation software. This module is at the center of the generic models used in this text to explore the dynamic and steady state operation of grid and converter fed induction. Synchronous and DC machines. The section on modulation and control emphasizes the role of power electronics and digital signal processors in drives. Downloadable files that accompany this text have an extensive set of build and play tutorials...



Quality Assurance

Applying Methodologies for
Launching New Products, Services,
and Customer Satisfaction



D. H. Stamatis

 CRC Press
Taylor & Francis Group

Special Indian Edition

Acc. No : 41283

Call No : 658.562 STA-D

The book explores the three fundamental approaches required to create a truly CI culture in any organization: a) consistent philosophy of improvement by management, b) receptive organizational culture, and c) the entire culture of the organization must be willing to make decisions based on measurement and data. It outlines the seven principles: research/plan, assure, explain, prioritize, demonstrate, confirm, and show. However, as with CI itself, this attitude must be incorporated into the processes of any organization and create products or services for the market place that will delight customers rather than just satisfying them. Time and cost constraints are the biggest culprits here, not any one person's lack of due diligence. When this happens, organizations must...

ON THE ORIGIN OF PRODUCTS

The Evolution of
Product Innovation and Design

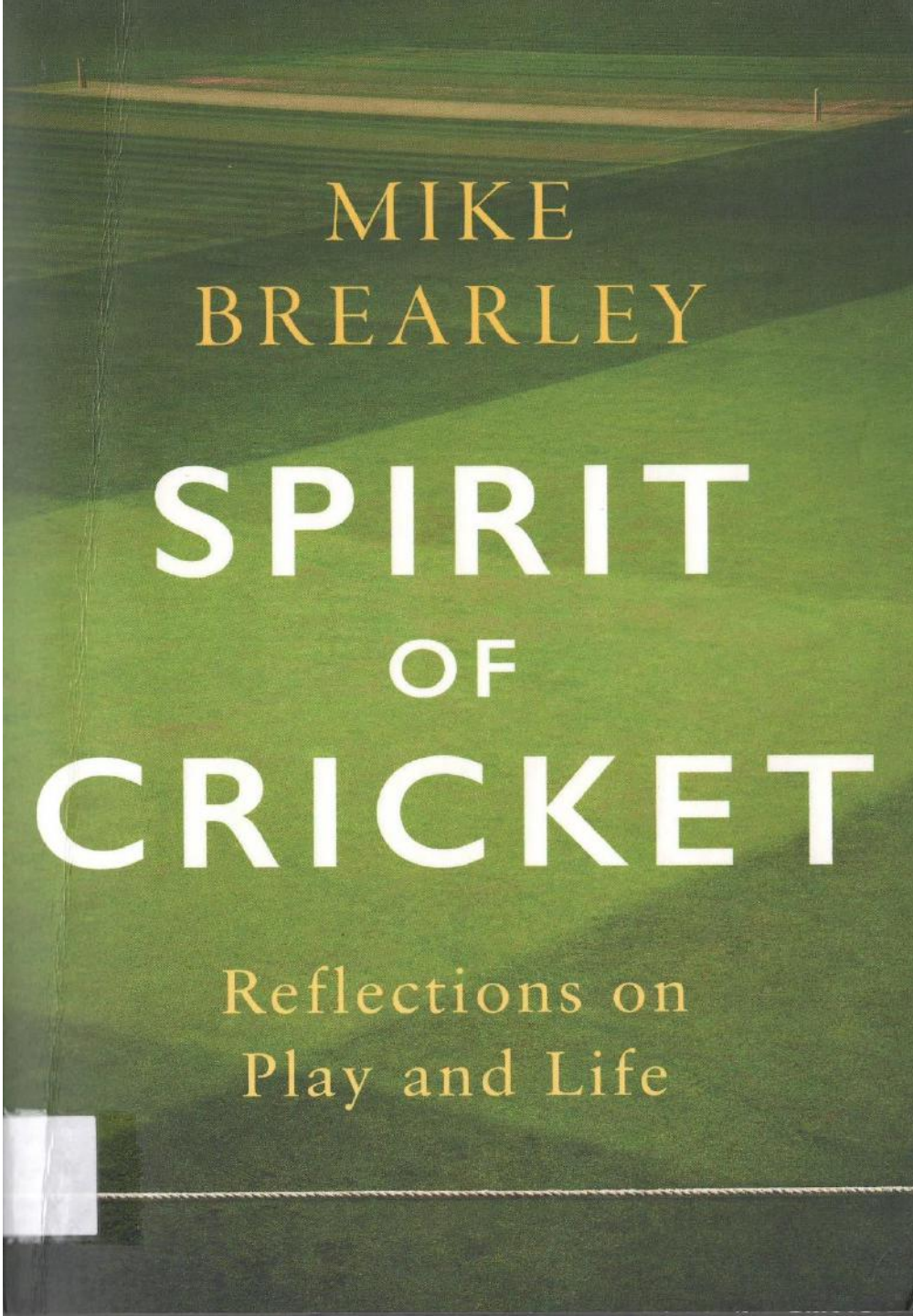
ARTHUR O. EGER
HUUB EHLHARDT



Acc. No : 40767

Call No : 658.575 EGE-A

In this new work, Arthur O. Eger and Huub Ehlhardt present a 'Theory of Product Evolution'. They challenge the popular notion that we owe the availability of products solely to genius inventors. Instead, they present arguments that show that a process of variation, selection, and accumulation of 'know-how' and 'know-what' provide an explanation for the emergence of new types of products and their subsequent development into families of advanced versions. This theory employs a product evolution diagram as an analytical framework to reconstruct the development history of a product family and picture it as a graphical narrative. The authors describe the relevant literature and case studies to place their theory in...



MIKE
BREARLEY

SPIRIT OF CRICKET

Reflections on
Play and Life

Acc. No : 41736

Call No : 796.358 BRE-M

The laws of cricket, like the laws of the land, aim at a sort of justice or balancing between different factions. The purpose behind cricket's laws, and behind changes in them, is often to calibrate the balance in the game between batsmen and bowlers, between attack and defense, between safety and risk. Cricketing lawmakers are interested in the overall appeal of the game to players and spectators alike. In Spirit of Cricket, Mike Brearley alternates between issues and examples within the game from 'Mankading' and the 'Sandpaper' affair to sledging, mental disintegration and racism - as well as broader issues such as the spirit and letter of the law. Brearley examines the issue of how far what purports to be justice may or may not be the expression of the powerful within the activity or...



And... Perhaps Love

SANIL SACHAR

Acc. No : 41640

Call No : 821 SAC-S

A new normal has replaced the established order. Distant relationships, virtual work, blurred futures and measuring our way back to this reality occupy us every day. Negotiating these changes, Sanil Sachar's and Perhaps Love will work as your companion. It is a silent observer for when you want to read it, and a patient listener when you wish to communicate with it. Capturing the ideas of love, darkness and the attempt to find balance in life, this is a book for now and forever. Each section in this book has a theme. Every page has a voice for every mood that shapes life's. Turn to this book whenever you need someone to speak to. Mostly, turn to it with no expectations because only then will it leave you with something you didn't know you have. As you'll discover, none of the words are...



the
Book
of

GUTSY WOMEN

FAVOURITE
STORIES OF
COURAGE and RESILIENCE.

HILLARY RODHAM
CLINTON and
CHELSEA CLINTON

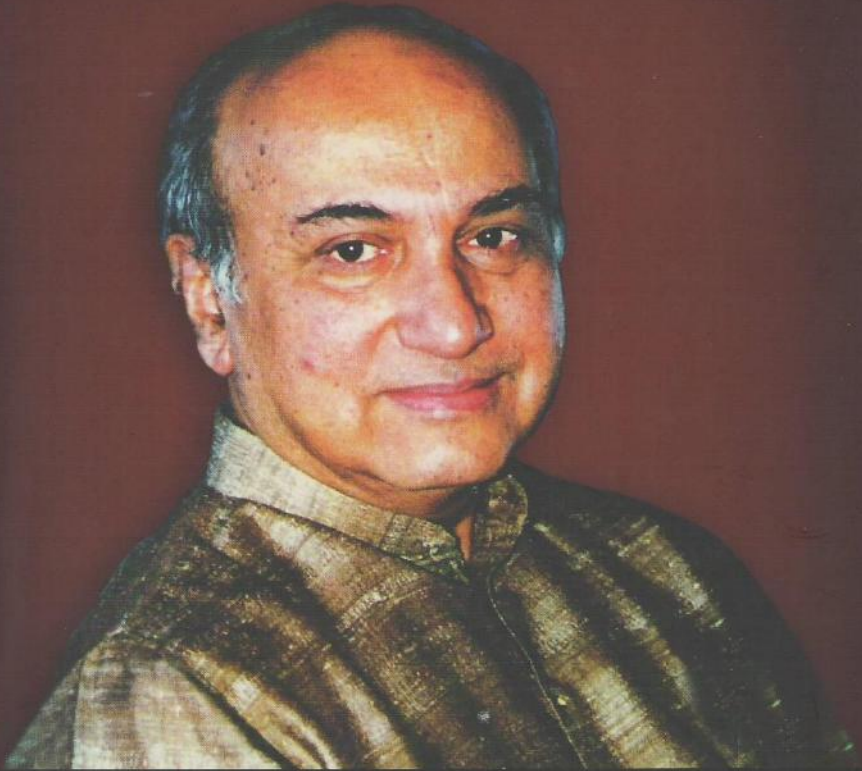
Acc. No : 41715

Call No : 920.72 CLI-H

Ensuring the rights and opportunities of women and girls remains a big piece of the unfinished business of the twenty-first century. While there's a lot of work to do, we know that throughout history and around the globe women have overcome the toughest resistance imaginable to win victories that have made progress possible for all of us. That is the achievement of each of the women in this book. So how did they do it? The answers are as unique as the women themselves. Civil rights activist Dorothy Height, LGBTQ trailblazer Edie Windsor, and swimmer Diana Nyad kept pushing forward, no matter what. Writers like Rachel Carson and Chimamanda Ngozi Adichie named something no one had dared talk about before. Historian Mary Beard used wit to open doors that were once...

"There is so much in this book that will delight, inform,
intrigue and enlighten readers about the ways in which
Indian diplomacy engages with the world."

MAHARAJAKRISHNA RASGOTRA, Former Foreign Secretary



A RINGSIDE SEAT TO HISTORY

AN AUTOBIOGRAPHY

Pascal Alan Nazareth



Acc. No : 41754

Call No : BIOGRAPHY NAZ-P

This is the riveting autobiography of a timid, small-town youth, pressured by his father to aspire for the coveted Indian Administrative Service (IAS), but is selected for the Indian Foreign Service (IFS), and thus witnesses historic events at close proximity in various parts of the world and plays a role in some of them. He learns of the Dalai Lama's crossing the Tibetan border into India, in Prime Minister Jawaharlal Nehru's office; witnesses a Japanese politician being assassinated in Tokyo; handles the aftermath of military coups and bloody executions of Heads of State in Ghana and Liberia; relentlessly pursues a fraudulent and well-connected NRI shipping magnate in the US and Costa Rica and ensures he is repatriated to India; crosses swords with nefarious arms dealers in London; makes major economic...

wow, no thank you.

'Wickedly funny.'
NIKESH SHUKLA

essays



ff

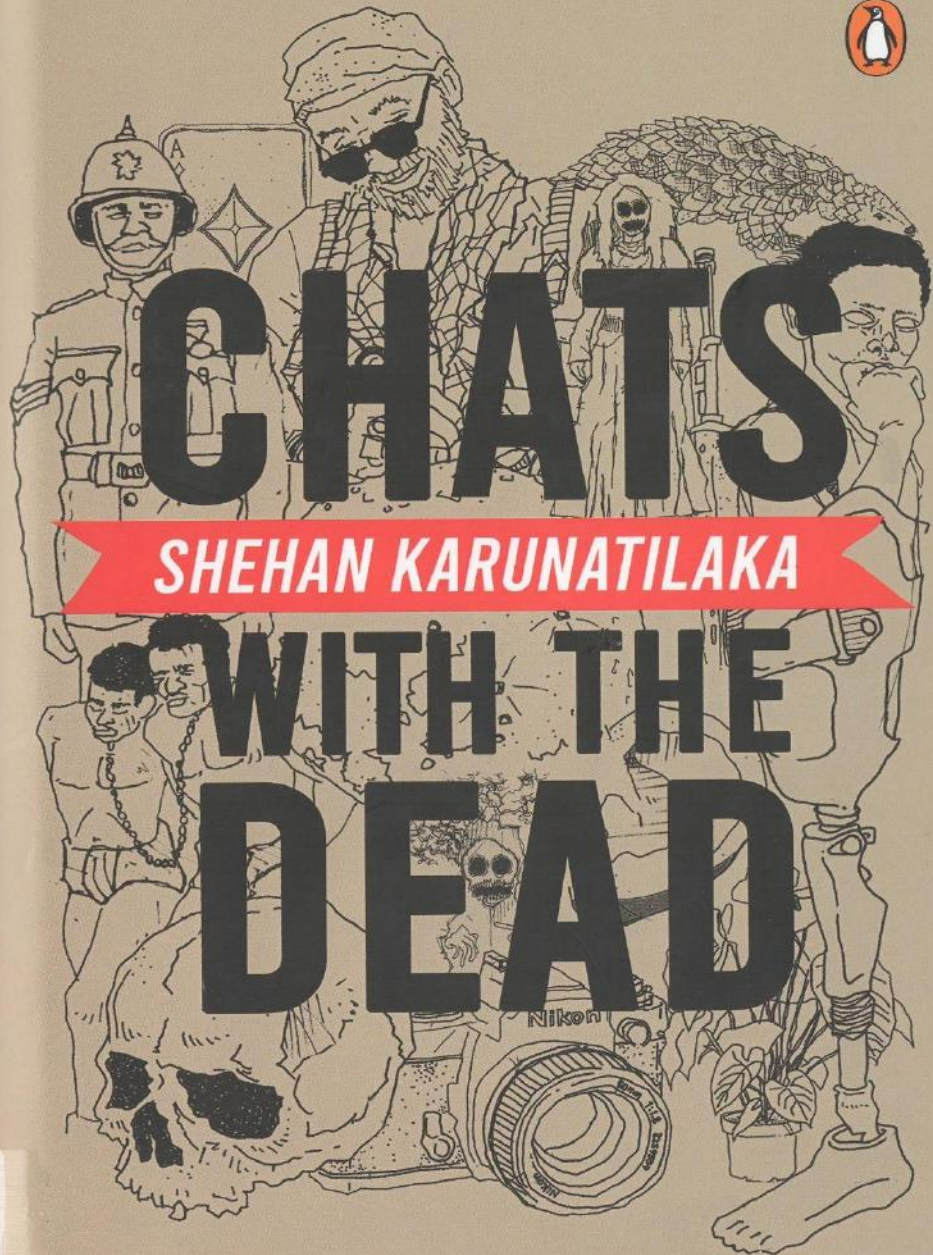
samantha irby



Acc. No : 41606

Call No : FICTION IRA-B

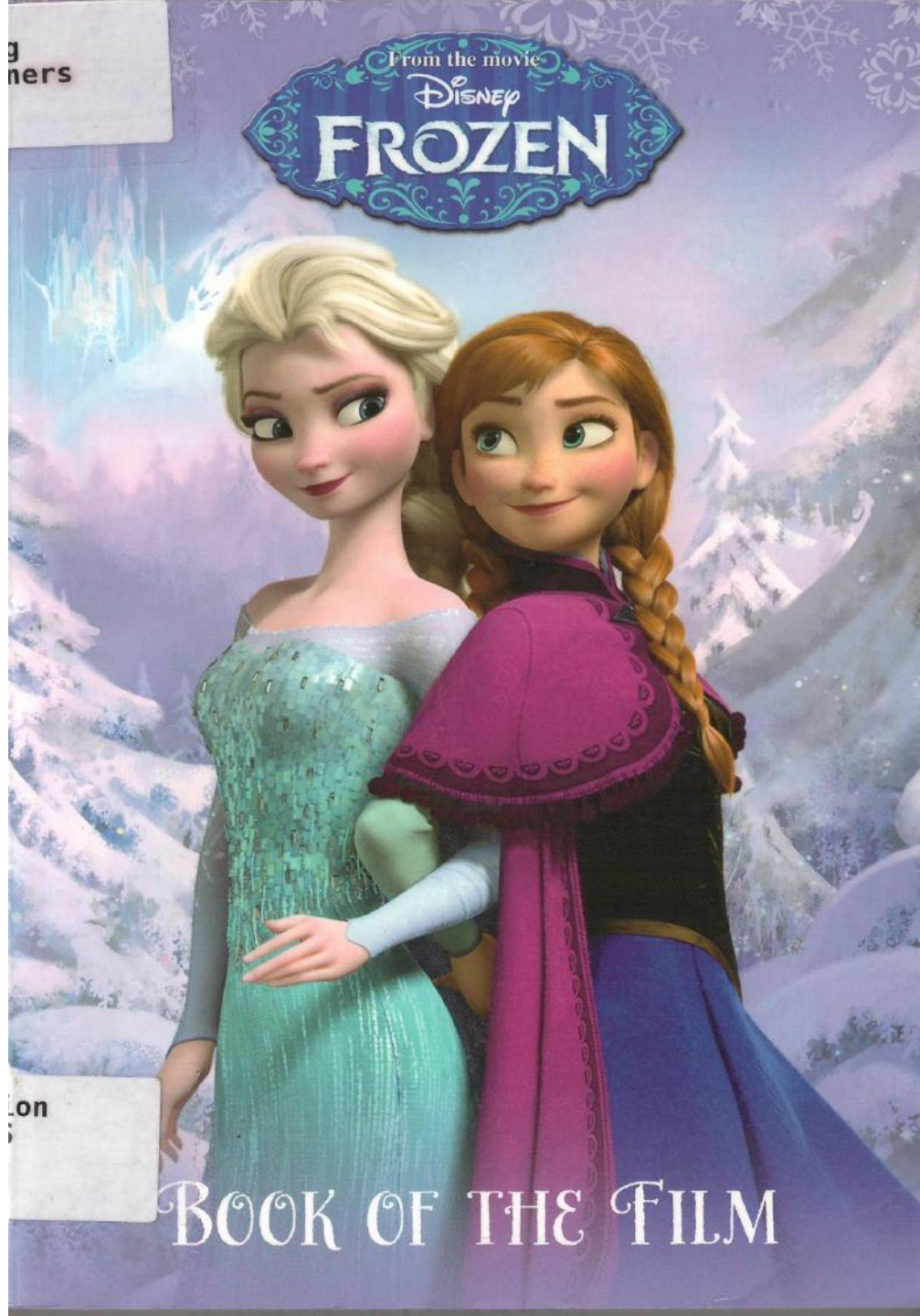
Do what you can to get your hands on this new collection from bestselling author of we are never meeting in real life and one of the funniest people in print: Samantha irby the number one new York Times bestseller 'irby might be our great Bard of quarantine.' New York Times 'so funny. Samantha irby makes staying in feel like like a luxury, and reminds you that going out is actually quite annoying. I laughed out loud so much reading this I honestly couldn't be more in awe of her.' Sara pascoe staring down the barrel of her fortieth year, Samantha irby is confronting the ways her life has changed since the days she could work a full 11 hour shift on 4 hours of sleep, change her shoes and put mascara on in the back of a moving cab and go from drinks to dinner to the club without...



innovate **achieve** **lead**

Call No : FICTION KAR-S

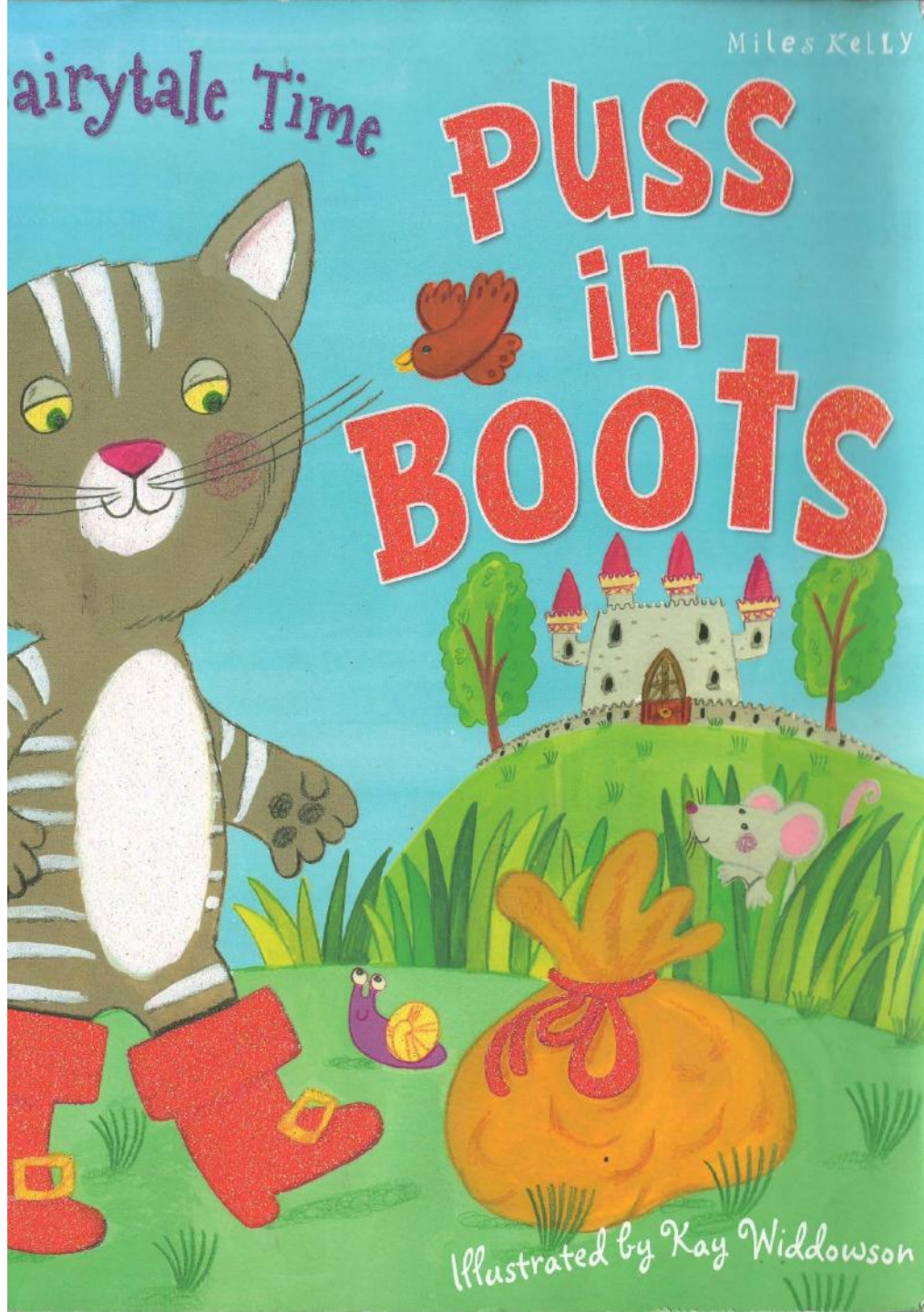
Who is Malinda Albert Kabalana? How did he die? Renegade war photographer Maali Almeida has to solve his own murder. Does that sound fun? It would be if there wasn't so much bloody red-tape to get through. Oh and it's not as though anyone alive actually seems to miss him, and it certainly doesn't help that his girlfriend is related to his boyfriend. Worst of all, it's all those goddamn memories of war, constantly interrupted by the overly chatty dead folks breezing through the afterlife. Besides, he's so busy solving his ethical dilemmas that there's barely any time to solve a murder-even if it's his own. A compulsively readable dark comedy of life-death and everything in between-Chats with the Dead sparingly exposes the plight of a country caught in the aftermath...



Acc. No : 31620

Call No : FICTION NAT-S (Young Learners)

Frozen is the story of Anna, who sets off on an epic journey to save her kingdom. Teaming up with an adventurer named Kristoff, Anna searches for her sister Elsa, whose icy powers have trapped the kingdom in an eternal winter. Discover the story of the film inside. When the majestic kingdom of Arendelle becomes trapped in an eternal winter, it's up to Anna to save the day. Can she battle the elements, find her elder sister, Elsa, and put an end to the icy spell? Read aloud and bring the story to life with this beautiful padded storybook. So, come one come all - pick one for you & for your friends too. Long ago, atop a mountain high above the kingdom of Arendelle, a group of strong men was hard at work. They were ice harvesters men who cut and hauled huge blocks of ice from the mountain lakes. Horses stood at attention, waiting with...



Acc. No : 31176

Call No : FICTION WID-K (Young Learners)

My Fairytale Time Puss in Boots book is a fantastic large format picture book, with stunning illustrations, by Kay Widdowson that brings fairytale characters to life in kids' imaginations. Features of My Fairytale Time Puss in Boots book. Large pages with brightly colored illustrations of classic scenes and fairytale characters. Large, clear text throughout, humorous language and speech that stands out encourage children who are learning to read and appeal to kids who enjoy story time. As a picture book, there is an emphasis on full-page illustrations to engage young readers to take part in storytelling. An extract from My Fairytale Time Puss in Boots: In the meantime, Puss ran ahead of the carriage. He met some workers gathering hay in the fields. "When the King's carriage drives by...



Thank you