

Answer Understanding Our Universe Palen

Addresses how tech empowers community organizing and protest movements to combat the systems of capitalism and data exploitation that helped drive tech's own rise to ubiquity. Our smartphones have brought digital technology into the most intimate spheres of life. It's time to take control of them, repurposing them as pathways to a democratically designed and maintained digital commons that prioritizes people over profit. Smartphones have appeared everywhere seemingly overnight: since the first iPhone was released, in 2007, the number of smartphone users has skyrocketed to over two billion. Smartphones have allowed users to connect worldwide in a way that was previously impossible, created communities across continents, and provided platforms for global justice movements. However, the rise of smartphones has led to corporations using consumers' personal data for profit, unmonitored surveillance, and digital monopolies like Google, Facebook, and Amazon that have garnered control over our social, political, and economic landscapes. But people are using their smartphones to fight back. New modes of resistance are emerging, signaling the possibility that our pocket computers could be harnessed for the benefit of people, not profit. From helping to organize protests against the US-Mexico border wall through Twitter to being used to report police brutality through Facebook Live, smartphones open a door for collective change.

Cosmology is the study of the origin, size, and evolution of the entire universe. Every culture has developed a cosmology, whether it be based on religious, philosophical, or scientific principles. In this book, the evolution of the scientific understanding of the Universe in Western tradition is traced from the early Greek philosophers to the most modern 21st century view. After a brief introduction to the concept of the scientific method, the first part of the book describes the way in which detailed observations of the Universe, first with the naked eye and later with increasingly complex modern instruments, ultimately led to the development of the "Big Bang" theory. The second part of the book traces the evolution of the Big Bang including the very recent observation that the expansion of the Universe is itself accelerating with time. After seven years of faithfully following her spiritual teacher, Renee Linnell finally realized she was in a cult and had been severely brainwashed. But how did that happen to someone like her? She had graduated magna cum laude with a double degree. She had traveled to nearly fifty countries alone before she turned thirty-five. She was a surf model and a professional Argentine tango dancer. She had started five different companies and had an MBA from NYU. How could someone like her end up brainwashed and in a cult? The Burn Zone is an exploration of how we give up our power?how what started out as a need to heal from the loss of her parents and to understand the big questions in life could leave a young woman fighting for her sanity and her sense of self. In the years following her departure from the cult, Linnell

struggled to reclaim herself, to stand in her truth, and to rebuild her life. And eventually, after battling depression and isolation, she found a way to come out the other side stronger than ever. Part inspirational story, part cautionary tale, this is a memoir for spiritual seekers and those who feel lost in a world that makes them feel less than perfect.

Why have so many central and inner cities in Europe, North America and Australia been so radically revamped in the last three decades, converting urban decay into new chic? Will the process continue in the twenty-first century or has it ended? What does this mean for the people who live there? Can they do anything about it? This book challenges conventional wisdom, which holds gentrification to be the simple outcome of new middle-class tastes and a demand for urban living. It reveals gentrification as part of a much larger shift in the political economy and culture of the late twentieth century. Documenting in gritty detail the conflicts that gentrification brings to the new urban 'frontiers', the author explores the interconnections of urban policy, patterns of investment, eviction, and homelessness. The failure of liberal urban policy and the end of the 1980s financial boom have made the end-of-the-century city a darker and more dangerous place. Public policy and the private market are conspiring against minorities, working people, the poor, and the homeless as never before. In the emerging revanchist city, gentrification has become part of this policy of revenge.

This volume presents papers on the topics covered at the National Academy of Engineering's 2018 US Frontiers of Engineering Symposium. Every year the symposium brings together 100 outstanding young leaders in engineering to share their cutting-edge research and innovations in selected areas. The 2018 symposium was held September 5-7 and hosted by MIT Lincoln Laboratory in Lexington, Massachusetts. The intent of this book is to convey the excitement of this unique meeting and to highlight innovative developments in engineering research and technical work.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Intercultural Competence provides students with the tools to succeed in today's intercultural world. Blending both the practical and theoretical, this text offers students the requisite knowledge, the appropriate motivations, and the relevant skills to function competently with culturally-different others. The text provides a discussion of important ethical and social issues relating to intercultural communication and encourages students to apply vivid examples that will prepare them to interact better in intercultural relationships. Learning Goals Upon completing this book, readers will be able to: Appreciate the impact of cultural patterns on intercultural communication Use both practical and theoretical ideas to understand intercultural communication competence Understand some of the central contexts – in health, education, business, and tourism – in which intercultural communication occurs Discuss cultural identity and the role of cultural biases Note: MySearchLab with eText does not come automatically packaged with this text. To purchase MySearchLab, please visit: www.mysearchlab.com or you can

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Inspired by reader surveys, focus groups and interviews, Hendrix/Thompson's EARTH SCIENCE: AN INTRODUCTION, 3rd Edition, delivers concise yet comprehensive coverage in an engaging and accessible format for majors and non-majors alike. The revised text brings concepts to life with current research and examples, a new-and-improved art program, over 150 new photos, and a clean, modern design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

An exciting introduction to astronomy, using recent discoveries and stunning photography to inspire non-science majors about the Universe and science.

Journalist Walls grew up with parents whose ideals and stubborn nonconformity were their curse and their salvation. Rex and Rose Mary and their four children lived like nomads, moving among Southwest desert towns, camping in the mountains. Rex was a charismatic, brilliant man who, when sober, captured his children's imagination, teaching them how to embrace life fearlessly. Rose Mary painted and wrote and couldn't stand the responsibility of providing for her family. When the money ran out, the Walls retreated to the dismal West Virginia mining town Rex had tried to escape. As the dysfunction escalated, the children had to fend for themselves, supporting one another as they found the resources and will to leave home. Yet Walls describes her parents with deep affection in this tale of unconditional love in a family that, despite its profound flaws, gave her the fiery determination to carve out a successful life. -- From publisher description.

Jo Dunkley combines her expertise as an astrophysicist with her talents as a writer and teacher to present an elegant introduction to the structure, history, and enduring mysteries of the universe. Among the cutting-edge phenomena discussed are the accelerating expansion of the universe and the possibility that our universe is only one of many.

The first ever publication of J.R.R. Tolkien's final writings on Middle-earth, covering a wide range of subjects and perfect for those who have read and enjoyed The Silmarillion, The Lord of the Rings, Unfinished Tales, and The History of Middle-earth, and want to learn more about Tolkien's magnificent world. It is well known that J.R.R. Tolkien published The Hobbit in 1937 and The Lord of the Rings in 1954–5. What may be less known is that he continued to write about Middle-earth in the decades that followed, right up until the years before his death in 1973. For him, Middle-earth was part of an entire world to be explored, and the writings in The Nature of Middle-earth reveal the journeys that he took as he sought to better understand his unique creation. From sweeping themes as profound as Elvish immortality and reincarnation, and the Powers of the Valar, to the more earth-bound subjects of the lands and beasts of Númenor, the geography of the Rivers and Beacon-hills of Gondor, and even who had beards! This new collection, which has been edited by Carl F. Hostetter, one of the world's leading Tolkien experts, is a veritable treasure-trove offering readers a chance to peer over Professor Tolkien's shoulder at the very moment of discovery: and on every page, Middle-

earth is once again brought to extraordinary life.

The overflow of information generated during disasters can be as paralyzing to humanitarian response as the lack of information. This flash flood of information—social media, satellite imagery and more—is often referred to as Big Data. Making sense of this data deluge during disasters is proving an impossible challenge for traditional humanitarian

In the latest entry in this USA Today bestselling series, Jessica Fletcher takes on an Agatha Christie-style mystery when she finds herself stranded in a hotel during a blizzard with twelve strangers and a killer in their midst.... Still staying at the Hill House hotel while her beloved home is being rebuilt, Jessica Fletcher finds herself sharing the space for a weekend with a dozen members of a wedding party who have gathered there for a rehearsal dinner. The families of the bride and groom can't stand each other but have agreed to put aside years of long-simmering tension to celebrate the nuptials. Unfortunately, weather forecasters underestimated the severity of a storm that turns into a historic blizzard that dumps nearly five feet of snow on Cabot Cove, leaving everyone stranded. But the hotel guests have bigger things to worry about than bad weather conditions and potential cold feet, because a murderer has shown up uninvited—one who has vowed to take them down one by one....

Establishment scientists are trying to tell us that there is no reality beyond the physical. This has not been proved scientifically, so they use unscientific methods such as ridicule and power politics to force it on the academic community, blocking our knowledge of whole dimensions of reality, the mental and the spiritual. Dirty Science exposes this corruption in our accredited academic institutions and calls upon you, the intelligent reading public, to put pressure on them to clean up the mess.

The 5th Edition of Visualizing Environmental Science provides students with a valuable opportunity to identify and connect the central issues of environmental science through a visual approach. Beautifully illustrated, this fifth edition shows students what the discipline is all about—its main concepts and applications—while also instilling an appreciation and excitement about the richness of the subject. This edition is thoroughly refined and expanded; the visuals utilize insights from research on student learning and feedback from users.

Building a Better Path To Success! Connecting Knowledge – Sherri prepares her students for success by refreshing their knowledge of arithmetic. By helping students see the connection between arithmetic and algebra, Sherri found that her students were more confident in their abilities as they progressed through the course. This classroom-tested practice was integrated into the texts so that both instructors and students could benefit. Messersmith accomplishes this by including arithmetic examples for most sections before the use of algebraic examples. Also, the author has developed through classroom use a series of Basic Skills Worksheets that can easily be integrated into the classroom. Presenting Concepts in “Bite Size” Pieces – By breaking down the sections into manageable pieces, the author has identified the core places where students traditionally struggle and then assists them in understanding that material to be successful moving forward. Mastering Concepts - With the textbook and Connect Math hosted by ALEKS, a new online homework and assessment tool, students can practice and master their understanding of algebraic concepts. Messersmith is rigorous enough to prepare students for the next level yet easy to read and understand. The

exposition is written as if a professor is teaching in a lecture to be more accessible to students. The language is mathematically sound yet easy enough for students to understand.

Surveys the online social habits of American teens and analyzes the role technology and social media plays in their lives, examining common misconceptions about such topics as identity, privacy, danger, and bullying.

Education research shows that students learn by doing.

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines- Problem Solved.

Ellen DeGeneres, Robert Redford, Will Ferrell, Jennifer Aniston, Faith Hill, Tim McGraw, Martha Stewart, Tyra Banks, Dale Earnhardt, Jr., Tiki Barber, Owen Wilson, and Justin Timberlake tell you how they make a difference to the environment. Inside The Green Book, find out how you can too: - Don't ask for ATM receipts. If everyone in the United States refused their receipts, it would save a roll of paper more than two billion feet long, or enough to circle the equator fifteen times! - Turn off the tap while you brush your teeth. You'll conserve up to five gallons of water per day. Throughout the entire United States, the daily savings could add up to more water than is consumed every day in all of New York City. - Get a voice-mail service for your home phone. If all answering machines in U.S. homes were replaced by voice-mail services, the annual energy savings would total nearly two billion kilowatt hours. The resulting reduction in air pollution would be equivalent to removing 250,000 cars from the road for a year! With wit and authority, authors Elizabeth Rogers and Thomas Kostigen provide hundreds of solutions for all areas of your life, pinpointing the smallest changes that have the biggest impact on the health of our precious planet.

Influenced by astronomy education research, 21st Century Astronomy offers a complete pedagogical and media package that facilitates learning by doing, while the new one-column design makes the Fifth Edition the most accessible introductory text available today.

Based on the spellbinding world of the Walt Disney Studios film, Tomorrowland, this original prequel novel unlocks a place of unfathomable science and technology and the famous people behind it. The year is 1939. A secret society of extraordinary geniuses is about to share an incredible discovery with the world. A misguided enemy--half man, half machine--will stop at nothing to prevent the group from giving this forbidden knowledge to humanity. And a mother and son on vacation in New York City are handed a comic book infused with a secret code that will lead them straight into the crossfires of the conspiracy. Don't forget to

download the FREE comic book companion, The Secret History of the World of Tomorrowland!?

When it was first released in 1962, *The Shape of Time* presented a radically new approach to the study of art history. Drawing upon new insights in fields such as anthropology and linguistics, George Kubler replaced the notion of style as the basis for histories of art with the concept of historical sequence and continuous change across time. Kubler's classic work is now made available in a freshly designed edition. "The Shape of Time is as relevant now as it was in 1962. This book, a sober, deeply introspective, and quietly thrilling meditation on the flow of time and space and the place of objects within a larger continuum, adumbrates so many of the critical and theoretical concerns of the late twentieth and early twenty-first century. It is both appropriate and necessary that it re-appear in our consciousness at this time."—Edward J. Sullivan, New York University This book will be of interest to all students of art history and to those concerned with the nature and theory of history in general. In a study of formal and symbolic durations the author presents a radically new approach to the problem of historical change. Using new ideas in anthropology and linguistics, he pursues such questions as the nature of time, the nature of change, and the meaning of invention. The result is a view of historical sequence aligned on continuous change more than upon the static notion of style—the usual basis for conventional histories of art. A carefully reasoned and brilliantly suggestive essay in defense of the view that the history of art can be the study of formal relationships, as against the view that it should concentrate on ideas of symbols or biography.—Harper's. It is a most important achievement, and I am sure that it will be studied for many years in many fields. I hope the book upsets people and makes them reformulate.—James Ackerman. In this brief and important essay, George Kubler questions the soundness of the stylistic basis of art historical studies. . . . The Shape of Time ably states a significant position on one of the most complex questions of modern art historical scholarship.—Virginia Quarterly Review.

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope *Astronomy* was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide. Chapter 1: Science and the Universe: A Brief Tour Chapter 2: Observing the Sky: The Birth of Astronomy Chapter 3: Orbits and Gravity Chapter 4: Earth, Moon, and Sky Chapter 5: Radiation and Spectra Chapter 6: Astronomical Instruments Chapter 7: Other Worlds: An Introduction to the Solar System Chapter 8: Earth as a Planet Chapter 9: Cratered Worlds Chapter 10: Earthlike Planets: Venus and Mars Chapter 11: The Giant Planets Chapter 12: Rings, Moons, and Pluto Chapter 13: Comets and Asteroids: Debris of the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star

Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures, and Apps Appendix C: Scientific Notation Appendix D: Units Used in Science Appendix E: Some Useful Constants for Astronomy Appendix F: Physical and Orbital Data for the Planets Appendix G: Selected Moons of the Planets Appendix H: Upcoming Total Eclipses Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs Appendix J: The Brightest Twenty Stars Appendix K: The Chemical Elements Appendix L: The Constellations Appendix M: Star Charts and Sky Event Resources

The past half-century has witnessed a dramatic increase in the scale and complexity of scientific research. The growing scale of science has been accompanied by a shift toward collaborative research, referred to as "team science." Scientific research is increasingly conducted by small teams and larger groups rather than individual investigators, but the challenges of collaboration can slow these teams' progress in achieving their scientific goals. How does a team-based approach work, and how can universities and research institutions support teams? *Enhancing the Effectiveness of Team Science* synthesizes and integrates the available research to provide guidance on assembling the science team; leadership, education and professional development for science teams and groups. It also examines institutional and organizational structures and policies to support science teams and identifies areas where further research is needed to help science teams and groups achieve their scientific and translational goals. This report offers major public policy recommendations for science research agencies and policymakers, as well as recommendations for individual scientists, disciplinary associations, and research universities. *Enhancing the Effectiveness of Team Science* will be of interest to university research administrators, team science leaders, science faculty, and graduate and postdoctoral students.

New York Times Book Review 10 Best Books of 2018 A New York Times Notable Book The #1 New York Times bestseller. A brilliant and brave investigation into the medical and scientific revolution taking place around psychedelic drugs--and the spellbinding story of his own life-changing psychedelic experiences When Michael Pollan set out to research how LSD and psilocybin (the active ingredient in magic mushrooms) are being used to provide relief to people suffering from difficult-to-treat conditions such as depression, addiction and anxiety, he did not intend to write what is undoubtedly his most personal book. But upon discovering how these remarkable substances are improving the lives not only of the mentally ill but also of healthy people coming to grips with the challenges of everyday life, he decided to explore the landscape of the mind in the first person as well as the third. Thus began a singular adventure into various altered states of consciousness, along with a dive deep into both the latest brain science and the thriving underground community of psychedelic therapists. Pollan sifts the historical record to separate the truth about these mysterious drugs from the myths that have surrounded them since the 1960s, when a handful of psychedelic evangelists inadvertently catalyzed a powerful backlash against what was then a promising field of research. A unique and elegant blend of science, memoir, travel writing, history, and medicine, *How to Change Your Mind* is a triumph of participatory journalism.

By turns dazzling and edifying, it is the gripping account of a journey to an exciting and unexpected new frontier in our understanding of the mind, the self, and our place in the world. The true subject of Pollan's "mental travelogue" is not just psychedelic drugs but also the eternal puzzle of human consciousness and how, in a world that offers us both suffering and joy, we can do our best to be fully present and find meaning in our lives.

Organizing involves continuous challenges in the face of uncertainty and change. How is globalization impacting organizations? How will new strategies for a turbulent world affect organizational design? In this second edition of *Organization Theory and Design*, developed for students in the UK, Europe, the Middle East and Africa, respected academics Jonathan Murphy and Hugh Willmott continue to add an international perspective to Richard L. Daft's landmark text. Together they tackle these questions in a comprehensive, clear and accessible study of the subject.

Now superseded by a newer 4th edition, this astronomy textbook is tailored for a one-semester introductory class aimed at non-science majors. This edition brings the latest astronomical discoveries together with cutting-edge teaching and learning strategies designed specifically to improve student learning and retention.

A textbook that is not written like a textbook.

Understanding Our Universe W. W. Norton

Students learn astronomy by doing astronomy.

John Polkinghorne, ordained member of the Royal Society, past President of Queen's College Cambridge, Knight Commander of the Order of the British Empire, 2002 Templeton Prize winner, theoretical physicist, and theologian writes in breathless style to unfold core Christian doctrine in dialogue with science. His work deftly addresses how one would interpret and commend Christian faith in the contemporary world as he elucidates the key topics in the dialogue of religion with science. Polkinghorne's work addresses the hope Christians have--present and future--in the faithfulness of a loving God who stands alongside them today and for all eternity. Eschatological hope enables and empowers Christian life and emerges in God's resurrection of Jesus from the horrific crucifixion. Polkinghorne ably supports his thesis with a strong argument for the resurrection built on the kenotic acts of God. His thesis sees Christian eschatology as the advent of hope--the heart of faith. In Christian eschatology, as argued by Polkinghorne and supported in the work of Jurgen Moltmann and Nicholas T. Wright, Christ's presence is not some far off event, but present reality.

Financial Statement Analysis, 9e, emphasizes effective business analysis and decision making by analysts, investors, managers, and other stakeholders of the company. It continues to set the standard (over 8 prior editions and hundreds of thousands in unit book sales) in showing students the keys to effective financial statement analysis. It begins with an overview (chapters 1-2), followed by accounting analysis (chapters 3-6) and then financial analysis (chapters 7-11). The book presents a balanced view of analysis, including both equity and credit analysis, and both cash-based and earnings-based valuation models. The book is aimed at accounting and finance classes, and the professional audience as it shows the relevance of financial statement analysis to all business decision makers. The authors:

1. Use numerous and timely "real world" examples and cases
2. Draw heavily on actual excerpts from financial reports and footnotes
3. Focus on analysis and interpretation of financial reports and their footnotes
4. Illustrate debt and equity valuation that uses results of financial statement analysis
5. Have a concise writing style to make the

material accessible

NEW YORK TIMES BESTSELLER On the planet Tython, the ancient Je'daii order was founded. And at the feet of its wise Masters, Lanoree Brock learned the mysteries and methods of the Force—and found her calling as one of its most powerful disciples. But as strongly as the Force flowed within Lanoree and her parents, it remained absent in her brother, who grew to despise and shun the Je'daii, and whose training in its ancient ways ended in tragedy. Now, from her solitary life as a Ranger keeping order across the galaxy, Lanoree has been summoned by the Je'daii Council on a matter of utmost urgency. The leader of a fanatical cult, obsessed with traveling beyond the reaches of known space, is bent on opening a cosmic gateway using dreaded dark matter as the key—risking a cataclysmic reaction that will consume the entire star system. But more shocking to Lanoree than even the prospect of total galactic annihilation, is the decision of her Je'daii Masters to task her with the mission of preventing it. Until a staggering revelation makes clear why she was chosen: The brilliant, dangerous madman she must track down and stop at any cost is the brother whose death she has long grieved—and whose life she must now fear. **NOTE:** This version does not include the Dawn of the Jedi comic insert. Includes an original Dawn of the Jedi short story by John Ostrander! Features a bonus section following the novel that includes a primer on the Star Wars expanded universe, and over half a dozen excerpts from some of the most popular Star Wars books of the last thirty years! Praise for *Into the Void* “In a story filled with adventure, intrigue, and great quotes, there’s a lot to like in this book. Tim Lebbon dives into his very first Star Wars story with a great deal of success. He manages to spin a tale that feels like Star Wars, but also feels different from other stories that have been told before. While there is some threat of system wide destruction, the point is never pushed to being ridiculous. The characters feel believable and provoke interest. The attention to the characters never takes away from the plot. There’s also a remarkable balance between world building, plot and character development, and action. When it comes down to it, *Dawn of the Jedi: Into the Void* is just great storytelling.”—Roqoo Depot “A nice, compact Star Wars tale that both acts as an introduction to the Dawn of the Jedi period and a standalone story.”—Club Jade “A solidly enjoyable read . . . a nice addition to the Expanded Universe.”—Tosche Station “A good solid Star Wars adventure story with heart.”—Knights’ Archive

Mateer and Coppock's approach teaches economic decision-making with applications that students will remember.

Research shows that active learning supports deeper, long-term understanding. The Third Edition text and media package gives students more opportunities to interact with astronomy--both in real life and online. The new edition provides all the resources you need to make it easy to incorporate active learning into the classroom.

A variety of programming models relevant to scientists explained, with an emphasis on how programming constructs map to parts of the computer. What makes computer programs fast or slow? To answer this question, we have to get behind the abstractions of programming languages and look at how a computer really works. This book examines and explains a variety of scientific programming models (programming models relevant to scientists) with an emphasis on how programming constructs map to different parts of the computer's architecture. Two themes emerge: program speed and program modularity. Throughout this book,

the premise is to "get under the hood," and the discussion is tied to specific programs. The book digs into linkers, compilers, operating systems, and computer architecture to understand how the different parts of the computer interact with programs. It begins with a review of C/C++ and explanations of how libraries, linkers, and Makefiles work. Programming models covered include Pthreads, OpenMP, MPI, TCP/IP, and CUDA. The emphasis on how computers work leads the reader into computer architecture and occasionally into the operating system kernel. The operating system studied is Linux, the preferred platform for scientific computing. Linux is also open source, which allows users to peer into its inner workings. A brief appendix provides a useful table of machines used to time programs. The book's website (<https://github.com/divakarvi/bk-spca>) has all the programs described in the book as well as a link to the html text.

Arny: Explorations-An Introduction to Astronomy, 6th edition, is built on the foundation of its well known writing style, accuracy, and emphasis on current information. This new edition continues to offer the most complete technology/new media support package available. That technology/new media package includes: Interactives, Animations, and introducing Connect - online homework and course management.

A compulsively readable riff on the classic detective novel from America's most inventive novelist Winner of the National Book Critics Circle Award and a New York Times Notable Book "Utterly original and deeply moving." —Esquire Brooklyn's very own self-appointed Human Freakshow, Lionel Essrog is an orphan whose Tourettic impulses drive him to bark, count, and rip apart our language in startling and original ways. Together with three veterans of the St. Vincent's Home for Boys, he works for small-time mobster Frank Minna's limo service cum detective agency. Life without Frank Minna, the charismatic King of Brooklyn, would be unimaginable, so who cares if the tasks he sets them are, well, not exactly legal. But when Frank is fatally stabbed, one of Lionel's colleagues lands in jail, the other two vie for his position, and the victim's widow skips town. Lionel's world is suddenly topsy-turvy, and this outcast who has trouble even conversing attempts to untangle the threads of the case while trying to keep the words straight in his head. Motherless Brooklyn is a brilliantly original, captivating homage to the classic detective novel by one of the most acclaimed writers of his generation.

When your smartphone, your ipad, and itouch drive you to distraction, technology and psychology expert looks at the stress and illness that our constantly connected world has created and offers solutions.

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