Swings and Roundabouts

Water Supply And Sanitary Engineering

Fundamentals of Linear Algebra is like no other book on the subject. By following a natural and unified approach to the subject it has, in less than 250 pages, achieved a more complete coverage of the subject than books with more than twice as many pages. For example, the textbooks in use in the United States prove the existence of a basis only for finite dimensional vector spaces. This book proves it for any given vector space. With his experience in algebraic geometry and commutative algebra, the author defines the dimension of a vector space as its Krull dimension. By doing so, most of the facts about bases when the dimension is finite, are trivial consequences of this definition. To name one, the replacement theorem is no longer needed. It becomes obvious that any two bases of a finite dimensional vector space contain the same number of vectors. Moreover, this definition of the dimension works equally well when the geometric objects are nonlinear.

Features: Presents theories and applications in an attempt to raise expectations and outcomes The subject of linear algebra is presented over arbitrary fields Includes many non-trivial examples which address real-world problems About the Author: Dr. J.S. Chahal is a professor of mathematics at Brigham Young University. He received his Ph.D. from Johns Hopkins University and after spending a couple of years at the University of Wisconsin as a post doc, he joined Brigham Young University as an assistant professor and has been there ever since. He specializes and has published a number of papers about number theory. For hobbies, he likes to travel and hike, the reason he accepted the position at Brigham Young University

Cave & Shadows

Natural Architecture

An Amateur's Guide to Observing and Imaging the Heavens

Learn from the experiences of working professionals as shared through insightful interviews. This book builds on the well-received segments of the first edition to cover the basics of 3D in general terms starting with "What is 3D?" and progressing step-by-step through modeling, texturing, lighting and animation.

Mechanical and Electrical Systems in Buildings

As he revolutionized traditional teaching on hell in the phenomenal New York Times bestseller Love Wins, Rob Bell now transforms how we understand and practice marriage in The Zimzum of Love, co-written with his wife, Kristen. Despite the divorce statistics, people are still committing to each other, instinctively believing and hoping that theirs is a sacred union that will last forever. Yet when these couples encounter problems, they often lack the resources that keep them connected to this greater mystery surrounding marriage. Rob and Kristen Bell introduce a startling new way of looking at marriage, The Zimzum of Love. Zimzum is a Hebrew term where God, in order to have an encounter with the world, contracts, creating space for the creation to exist. In marriage, zimzum is the dynamic energy field between two partners, in which each person contracts to allow the other to flourish. Mastering this field, this give and take of energy, is the secret to what makes marriage flourish. Rob and Kristen Bell are brutally honest about their own struggles, their ups and downs, as together they pass along what matters most for couples. In this wise book, they explore the secret of what makes a happy union—probing the mystery at the heart of the extraordinary emotional connection that binds two people. With his down-to-earth charm, a dose of whimsy, and memorable stories, Rob, writing with his wife Kristen, changes how we consider marriage, providing insight that can help all of us create satisfying and sacred unions of our own.

EPA 608 Study Guide

Primarily intended for the undergraduate and postgraduate students of mathematics, this textbook covers both geometry and tensor in a single volume. This book aims to provide a conceptual exposition of the fundamental results in the theory of tensors. It also illustrates the applications of tensors to differential geometry, mechanics and relativity. Organized in ten chapters, it provides the origin and nature of the tensor along with the scope of the tensor calculus. Besides this, it also discusses N-dimensional Riemannian space, characteristic peculiarity of Riemannian space, intrinsic property of surfaces, and properties and transformation of Christoffel's symbols. Besides the students of mathematics, this book will be equally useful for the postgraduate students of physics.

Early Christian Thought and the Classical Tradition

The book in its present form introduces detailed descriptions and illustrative solved problems in the fields of Water Supply, Sanitary and Environmental Engineering. The entire subject matter has been split up in three parts: Part I Water Supply Engineering Part II Sanitary Engineering Part III Environmental Engineering. The first part deals with Water Supply Engineering which is related to demand of water for various purposes in human life, sources of water supply, quantity and quality of water, treatment and distribution of water, etc. The second part deals with Sanitary Engineering which is related to quality and quantity of sewage, construction and design of sewers, methods of treatment of sewage, etc. The third part discusses various aspects of Environmental Engineering including air pollution, noise pollution, etc. A typical design of a domestic sewage treatment plant is given in the Appendix as an additional attraction. The book now contains: * 253 * 140 * 60 * 610 Self-explanatory and neat diagrams Illustrative problems Useful tables Questions at the end of chapters. It is hoped that the book in its present form will be extremely useful to the Engineering students preparing for the Degree Examinations in Civil Engineering of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses as well as for A.M.I.E., U.P.S.C., other similar Competitive and Professional Examinations.
The Gift of Acabar

MOP 107 provides an overview of the fashion design process and operation of design departments.

Silent Influencing

The primary skill needed by anyone who works in fashion is the ability to convey-to clients and the general public alike-images of the designs. The impression given to the viewer depends on whether the fashion design drawings are good. Contemporary Fashion Illustration Techniques thoroughly describes the basics of fashion illustration, and covers the latest trends such as vivid images, sprightly movement, and garment material texture. After all, fashion drawing is not simply about sketching a body and face; only when you accurately reproduce the garments and their colors can the designs truly come to life.

Computerized Modeling of Sedimentary Systems

Civilizations come and go and they don’t always go quietly. In our global civilization, the consequence of it all crushing is going to be far-reaching, and with nowhere to hide. With so many moving parts and a lack of long-term stewardship by our leaders, odds are good that you will want to make at least a few preparations but the question you often ask is: how? That’s where I come in. Beyond Collapse, we not only get you prepared for such an event, but we also help you and your fellow survivors come together, defend another, preserve what may be lost and rebuild civilization together. Unlike most books of this type, we don't require a paramilitary mindset, tin foil headgear, bunkers, or living "off-grid." Everything in here is geared towards gaining skills and resources that are just as useful and socially acceptable in peaceful times as they will be when society and civilization crashes. You will find this book useful for beginners, or those who have been preparing for a long time. The best part is, you will find it useful even if civilization holds up just fine.

Fundamentals of Linear Algebra

The purpose of this book is to introduce Bayesian modeling by the use of computation using R language. R provides a wide range of functions for data manipulation, calculation, and graphical displays.

TEXTBOOK OF TENSOR CALCULUS AND DIFFERENTIAL GEOMETRY

Lecturers, request your electronic inspection copy here. ‘Gary's book, never more than a metre away, has been my indispensable research companion. With its easy layout, my well-worn copy, stripy with fluorescent marker and pencilled notes, has been my go-to, on-hand supervisor throughout my degree; taking the distance out of distance learning. Replace daunting and impossible with clarity and entertainment. I wouldn't be where I am today without it; it has been my gateway to achievement” - Elle Davies Moore, distance learner in Multi-Sensory Impairment at the University of Birmingham. With more advice on concluding, writing up and presenting research, using social media and digital methods, and understanding what supervisors want and how to work with them, the third edition of this bestselling title continues to lead the way as an essential guide for anyone undertaking a research project in the applied social sciences. Setting out a clear and detailed road map, Gary Thomas guides the reader through the different stages of a research project, explaining key steps and processes at each level in refreshingly jargon-free terms. It covers: - How to choose your research question - Project management and study skills - Effective literature reviews - Methodology, theory and research design frames - Ethics and access - Data collection tools - Effective data analysis - Discussing findings, concluding and writing up Packed with engaging anecdotal evidence and practical advice and supported by an interactive website featuring worksheets, videos, SAGE Journal articles and more, this new edition is a user-friendly, one-stop-shop for guidance on research principles.

How to Do Your Research Project

Beyond Collapse

HVAC Training 101 is a site visited by over 100,000 enthusiasts monthly, who are interested in becoming HVAC technicians. The site initially began as the passion project of a retired HVAC technician. The site quickly gained popularity, building a strong community of aspiring HVAC technicians. Currently, it is managed by a team of ex-HVAC technicians with decades of experience in the industry. Head over to HVACTraining101.com to learn more. We began by writing about how to become certified as an HVAC technician. With rules and certifications varying for each state, it was a challenging task. We had a few friends in other states help us out, but for some states, we had to dig really deep to find the information needed. Our audience at the time was very happy with the information we provided. At this point, we started getting many questions about EPA 608 certification. Once you get the education and experience needed to become a technician, prospective employers will ask for certification to handle refrigerants. When we started writing about how to become certified, viewers again requested us write a study guide to help them prepare for the 608 exams. The study guides out there were dense and had much more information than was needed to pass the test. This inspired us to embark on a journey to write the simplest study guide for the EPA 608 exam, which would still cover all the necessary information. We hope we have achieved our intended objective. The journey to becoming an HVAC technician can be long and arduous. We congratulate you on taking this path and wish you the best in cracking the EPA 608 exam.

The Zimzum of Love

This is one super-sexy wedding night these five women will never forget! Meet the lucky bridesmaids: A totally hot FBI agent offers his full-body protection to very willing witness Bridget Donahue…. Stripper Leah Muldoon bares it all for a sexy stranger in a limo, much to their mutual satisfaction! Wild big-city attorney Mia Natale is in for the best sex of her life. But who is that other guy? When dancer Vanessa McKee unexpectedly sees a man from her past, they rediscover their insatiable lust! A breathless night in the arms of a seductive European lover should definitely spice up Gloria Santoni's marriage....

Introduction to Thermodynamics

This popular book gives medical students, primary care physicians, nurses, social workers, and psychologists a jargon-free introduction to the basics, including topics such as schizophrenia, electroconvulsive therapy, transference, and tranquillizers.

China Power Sector

This enlightening study examines the relationship of the early Christians to the classical tradition. Based on the work of the Christian thinkers, Justine, Clement of Alexandria, and Origen, and existing pagan criticism of the Church, the book illustrates how rejection of the classical tradition combined with profound acceptance of its humanism were synthesized by the early Church.
"In the next decade and a half, China and India will become two of the world's indispensable powers—whether they rise peacefully or not. During that time, Asia will surpass the combined strength of North America and Europe in economic might, population size, and military spending. Both India and China will have vetoes over many international decisions, from climate change to global trade, human rights, and business standards. From her front row view of this colossal shift, first at the State Department, then as an advisor to American business leaders, Anja Manuel escorts the reader on an intimate tour of the corridors of power in Delhi and Beijing. Her encounters with political and business leaders reveal how each country's history and politics influences their conduct today. Through vibrant stories, she reveals how each country is working to surmount enormous challenges—from the crushing poverty of Indian slum dwellers and Chinese factory workers, to outrageous corruption scandals, rotting rivers, unbreathable air, and managing their citizens' discontent. We wring our hands about China, Manuel writes, while we underestimate India, which will be the most important country outside the West to shape China's rise. Manuel shows us that a different path is possible—we can bring China and India along as partners rather than alienating one or both, and thus extend our own leadership in the world."

Get Your Hopes Up!

This easy-to-follow textbook introduces the mathematical language, knowledge and problem-solving skills that undergraduates need to study computing. The language is in part qualitative, with concepts such as set, relation, function and recursion/induction; but it is also partly quantitative, with principles of counting and finite probability. Enwined with both are the fundamental notions of logic and their use for representation and proof. Features: teaches finite math as a language for thinking, as much as knowledge and skills to be acquired; uses an intuitive approach with a focus on examples for all general concepts; brings out the interplay between the qualitative and the quantitative in all areas covered, particularly in the treatment of recursion and induction; balances carefully the abstract and concrete, principles and proofs, specific facts and general perspectives; includes highlight boxes that raise common queries and clear confusions; provides numerous exercises, with selected solutions.

Psychiatry for Medical Students

"Excellent. . . . [Buonomano] reveals the intricate limitations and blessings of the most complex device in the known universe.”—The Atlantic

The human brain may be the best piece of technology ever created, but it's far from perfect. Drawing on colorful examples and surprising research, neuroscientist Dean Buonomano exposes the blind spots and weaknesses that beset our brains and lead us to make misguided personal, professional, and financial decisions. Whether explaining why we are susceptible to advertisements or demonstrating how false memories are formed, Brain Bugs not only explains the brain’s inherent flaws but also gives us the tools to counteract them.

Ethics, Evil, and Fiction

Eighty of the finest poems on parenthood brought together in an endearing, intelligent and accessible anthology by editor Emma Neale. Attractively packaged to be of gift-book quality, this anthology is beautifully illustrated with outstanding photographs of babies and young children. Editor Emma Neale's approach is to bring together around 90 wonderful poems, both by New Zealand and international poets, which are accessible but also strong and important. Beautifully packaged, this volume features stunning photographs by well-known photographer Mark Smith. The Southern Ocean Review has this to say: "Any book of parenthood is going to be welcome anywhere and this one certainly should be. Edited by Emma Neale, and with welcome photos by Mark Smith, this is a carefully presented volume of poems that will certainly be of great interest. I particularly like the work of Ruth Arnison and Joanna Paul, showing a side of them not many would know. Poems of a subject seem to draw out the best of some pretty well known poets familiar to us in different subject matter. Peter Bland's poems are mature and interesting - a sure hand here. And the photos are nothing short of brilliant. I am grateful for the biographical material too, to show who's who etc. Quite often in anthologies like this, it is left out. One has many memories of youth and this brings it all out for me. In 'Birdlings' the late Ruth Pettis shows some very deft technique which should be a lesson to all aspiring poets. I cannot find a single dud poem in all of these and thoroughly recommend this book for everyone to read."

Renaissance Thought and the Arts

Written by an eminent authority on the Renaissance, these classic essays deal not only with Paul Kristeller's specialty, Renaissance humanism and philosophy, but also with Renaissance theories of art. The focus of the collection is on topics such as humanist learning, humanist moral thought, the diffusion of humanism, Platonism, music and learning during the early Renaissance, and the modern system of arts in relation to the Renaissance. For this volume the author has written a new preface, a new essay, and an afterword.

Brain Bugs: How the Brain's Flaws Shape Our Lives

How many men does it take to find true love? When Delilah Darling reads a survey revealing that most people have 10.5 sexual partners in their lifetime, she begins to feel like a tramp. She's slept with nineteen men so far—almost twice the national average. During a self-help moment, she vows to cap her "number" at twenty, swearing she'll save her last spot for the right guy. But after losing her job and having a wild night on the town, she falls into bed with Mr. Wrong. Unwilling to_up her number, but also unable to imagine a life of celibacy, Delilah does the only thing a girl in her situation can do: she tracks down every man she's ever slept with in a last-ditch effort to make it work with one of them. A hilarious romp through Delilah's past loves, What's Your Number? shines a spotlight on every woman's dirty little secret and proves that, when it comes to matters of the heart, sometimes numbers tell only a fraction of the story.

This Brave New World

Ethics, Evil, and Fiction brings together moral philosophy and literary analysis in a way that offers original new insights for both. Its central aim is to enrich the domain of moral reflection, by showing the value of literary texts as sources of moral illumination. Colin McGinn starts by setting out an uncompromisingly realist ethical theory, arguing that morality is an area of objective truth and genuine knowledge. He goes on to address such subjects as the nature of goodness, evil, character, and the meaning of monstrosity, in the context of an aesthetic theory of virtue, which maintains that goodness of character is the same thing as beauty of soul. Works discussed include Billy Budd, Lolita, The Picture of Dorian Gray, and Frankenstein; and McGinn draws upon examples from film and painting as well as literature. The originality of his approach, the clarity and forthrightness of his writing, and his conviction that fiction and philosophy have much enlightenment to offer each other, make this a compelling and fascinating book.

Sets, Logic and Maths for Computing
Design, build, and maintain dynamic Web sites that balance form and function. You’ll find thorough explanations of effective site architecture, layout, and navigational features, and discover how to add graphics, links, and multimedia. Also learn to handle privacy and security issues with respect to site design, and program dynamic Web applications.

Numerology and the Divine Triangle

An Amateur's Guide to Observing and Imaging the Heavens is a highly comprehensive guidebook that bridges the gap between the beginners' and hobbyists' books and the many specialised and subject-specific texts for more advanced amateur astronomers. Written by an experienced astronomer and educator, the book is a one-stop reference providing extensive information and advice about observing and imaging equipment, with detailed examples showing how best to use them. In addition to providing in-depth knowledge about every type of astronomical telescope and highlighting their strengths and weaknesses, two chapters offer advice on making visual observations of the Sun, Moon, planets, stars and galaxies. All types of modern astronomical imaging are covered, with step-by-step details given on the use of DSLRs and web-cams for solar, lunar and planetary imaging and the use of DSLRs and cooled CCD cameras for deep sky imaging.

A Secret Proposal Part 1

As organic as the materials with which they are built, these creations allow the living landscape to naturally overtake each structure until it finally decomposes.”--BOOK JACKET.

Contemporary Fashion Illustration Techniques

#1 New York Times bestselling author Joyce Meyer teaches readers how to transform their lives by tapping into the power of hope. One of the most powerful forces in the universe is hope -- the happy and confident anticipation that something good is going to happen. Regardless of where one is in life, it is impossible to live successfully and to the fullest without hope. With Get Your Hopes Up! Joyce will help readers achieve a lasting sense of hope, built on their faith in God. Hope is only as strong as its source. This book will help readers avoid misplacing their trust in unreliable things, and help them ground their hope steadfastly in God for limitless joy and possibilities for their lives. As Joyce explains, "Without hope in God, there isn't much you can do, but with Hope in God, there isn't much you can't do."

Ship Channel Design and Operation

China’s power sector experienced accelerated growth after the mid - 1980s, with surging demand for electricity boosted by increased investment and residential consumption, both associated with market reforms. This report examines new opportunities to foreign investors.

What’s Your Number?

This book will prepare you for quantitative finance interviews by helping you zero in on the key concepts that are frequently tested in such interviews. In this book we analyze solutions to more than 200 real interview problems and provide valuable insights into how to ace quantitative interviews. The book covers a variety of topics that you are likely to encounter in quantitative interviews: brain teasers, calculus, linear algebra, probability, stochastic processes and stochastic calculus, finance and programming.

3D Graphics & Animation

Computerized modeling is a powerful tool to describe the complex interrelations between measured data and the dynamics of sedimentary systems. Complex interaction of environmental factors with natural variations and increasing anthropogenic intervention is reflected in the sedimentary record at varying scales. The understanding of these processes gives way to the reconstruction of the past and is a key to the prediction of future trends. Especially in cases where observations are limited and/or expensive, computer simulations may substitute for the lack of data. State-of-the-art research work requires a thorough knowledge of processes at the interfaces between atmosphere, hydrosphere, biosphere, and lithosphere, and is therefore an interdisciplinary approach.

One Wild Wedding Night

When orphan Sakura Tanaka sneaks into a famous Japanese designer's fashion show in order to meet her biological mother, she doesn't anticipate a complication that will turn her world upside down. Through mistaken identity, she ends up modelling for the designer, which in turn leads to an unexpected encounter with her seven drop-dead gorgeous adoptive brothers, two of which have intentions for her heart.

Web Design Complete Reference

Become an Influencer and Leader Today! - Amazon Bestseller ** Updated advanced edition** Are you tired of not getting your message across? Are you not being heard by the people in your life? Does your boss ignore you and your spouse disregard what you think? Then this practical book is THE guide for you. It will enable you to change how you interact with others and teach you to positively influence and lead everyone around you in a non-manipulative way. Personal Growth: Silent Influencing includes proven techniques and an easy-to-implement approach that leads to results. If you implement these techniques, you will succeed at being more influential throughout all aspects of your life. In the many workshops, consulting engagements and projects lead by author Michael Nir, he observed over and over that lack of talent, professionalism or abilities are rarely the barrier to success. Rather, success is hampered because of these elements: * Teams aren’t functioning due to lack of leadership * Managers are dictating instead of cultivating * Partners are talking rather than listening * Conflict is mismanaged and negotiations are unnecessarily prolonged * Although face-to-face interactions are increasingly vital in our virtual world, we don’t know how to optimize them * Lines of command tend to be blurred and accountability isn’t properly defined Personal Growth: Silent Influencing will teach you these important skills that address the issues above: * The ability to streamline to achieve win/win decisions * How to mollify power plays and overcome resistance * Acquaintance of the proper courses of action in any situation * Tips to maintain awareness in tricky high-stakes meetings

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