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Fundamentals of Gas Lift Engineering: Well Design and Troubleshooting discusses the important topic of oil and gas reservoirs as they continue to naturally deplete, decline, and mature, and how more oil and gas companies are trying to divert their investments in artificial lift methods to help prolong their assets. While not much physically has changed since the invention of the King Valve in the 1940s, new developments in analytical procedures, computational tools and software, and many related technologies have completely changed the way production engineers and well operators face the daily design and troubleshooting tasks and challenges of gas lift, which can now be carried out faster, and in a more accurate and productive way, assuming the person is properly trained. This book fulfills this training need with updates on the latest gas lift designs, troubleshooting techniques, and real-world field case studies that can be applied to all levels of situations, including offshore. Making operational and troubleshooting techniques central to the discussion, the book empowers the engineer, new and experienced, to analyze the challenge involved and make educated adjustments and conclusions in the most economical and practical way. Packed with information on computer utilization, inflow and outflow performance analysis, and worked calculation examples made for training, the book brings fresh air and innovation to a long-standing essential component in a well's lifecycle. Covers essential gas lift design, troubleshooting, and the latest developments in R&D Provides real-world field experience and techniques to solve both onshore and offshore challenges Offers past and present analytical and operational techniques available in an easy-to-read manner Features information on computer utilization, inflow and outflow performance analysis, and worked calculation training examples

Please note: this book was written and published prior to Manning's identification as Chelsea. Beginning in early 2010, Chelsea Manning leaked an astounding amount of classified information to the whistleblower website WikiLeaks: classified combat videos as well as tens of thousands of documents from the war in Afghanistan, hundreds of thousands from Iraq, and hundreds of thousands more from embassies around the globe. Almost all of WikiLeaks's headline-making releases of information have come from one source, and one source only: Chelsea Manning. Manning's story is one of global significance, yet she remains an enigma. Now, for the first time, the full truth is told about a woman who, at the age of only twenty-two, changed the world. Though the overarching narrative in media reports on Manning explain her leaks as motivated by the basest, most self-serving intentions, Private paints a far more nuanced, textured portrait of a woman haunted by demons and driven by hope, forced into an ethically fraught situation by a dysfunctional military bureaucracy. Relying on numerous conversations with those who know Manning best, this book displays how Manning's precocious intellect provided fertile ground for her sense of her own intellectual and moral superiority. It relates how a bright kid from middle America signed on to serve her country and found herself serving a cause far more sinister. And it explains what it takes for a person to betray her orders and fellow troops—and her own future—in order to fulfill what she sees as a higher purpose. Manning's court-martial may be the military trial of the decade, if not the century. This book is a must-read for anyone who wants to understand the woman behind it all.

Power Systems Analysis, Second Edition, describes the operation of the interconnected power system under steady state conditions and under dynamic operating conditions during disturbances. Written at a foundational level, including numerous worked examples of concepts discussed in the text, it provides an understanding of how to keep power flowing through an interconnected grid. The second edition adds more information on power system stability, excitation system, and small disturbance analysis, as well as discussions related to grid integration of renewable power sources. The book is designed to be used as reference, review, or self-study for practitioners and consultants, or for students from related engineering disciplines that need to learn more about power systems. Includes comprehensive coverage of the analysis of power systems, useful as a one-stop resource Features a large number of worked examples and objective questions (with answers) to help apply the material discussed in the book Offers foundational content that provides background and review for the understanding and analysis of more specialized areas of electric power engineering

This atlas of pharmacology first deals with general aspects, such as formulation, absorption, distribution, & molecular mechanisms of action of medicinal agents. It then looks at various groups of medicinal agents with special emphasis on functional & therapeutic aspects. Attention is given less to the chemical properties of the medicinal agents than to their action on body functions & the therapeutic possibilities of their application.

Steam Generation from Biomass: Construction and Design of Large Boilers provides in-depth coverage of steam generator engineering for biomass combustion. It presents the design process and the necessary information needed for an understanding of not only the function of different components of a steam generator, but also what design choices have been made. Professor Vakkilainen explores each particular aspect of steam generator design from the point-of-view of pressure part design, mechanical design, layout design, process design, performance optimization, and cost optimization. Topics such as fuels and their emissions, steam-water circulation, auxiliary equipment, availability and reliability, measurements and control, manufacture, erection, and inspection are covered. Special attention is given to recovery boilers and fluidized bed boilers, and automated design and dimensioning calculation spreadsheets are available for download at the book's companion website. This book is intended for both design engineers and steam boiler operators, as well as those involved in plant management and equipment purchasing. Provides a complete overview of biomass steam boilers, including processes, phenomena, and nomenclature Presents a clear view of how biomass boilers differ from fossil fuel boilers Covers the most used types of large-scale biomass boilers, including recovery boilers, fluidized bed boilers, and auxiliary equipment Includes a companion website with spreadsheets, calculation examples, and automatic calculation tools for design and dimensioning

Quilted and embellished with beads, crystals, fibers, and found objects, inchies--quilts measuring 1 inch by 1 inch--are miniature works of art that can be incorporated into traditional, contemporary, and art quilts as an integral part of the quilt design. This mixed technique and pattern book provides complete instructions for innovating and adapting the Inchie techniques. Prevention of Valve Fugitive Emissions in the Oil and Gas Industry delivers a critical reference for oil and gas engineers and managers to get up-to-speed on all factors surrounding valve fugitive emissions. New technology is included on monitoring, with special attention given to valve seals which are typically the biggest emitting factor on the valve. Proper testing requirements to mitigate future leaks are also

covered. Rounding out with international standards, laws and specifications to apply to projects around the world, this book gives today's engineers updated knowledge on how to lower emissions on today's equipment. Helps readers understand the sources and key factors that contribute to fugitive emissions and leakage from oil and gas valves Teaches ways to select proper seals and perform valve testing to mitigate future emissions Includes international standards, laws and specifications to help readers stay compliant and environmentally responsible

This Tutorial Text provides a comprehensive introduction to the subject of contamination control, with specific applications to the aerospace industry. The author draws upon his many years as a practicing contamination control engineer, researcher, and teacher. The book examines methods to quantify the cleanliness level required by various contamination-sensitive surfaces and to predict the end-of-life contamination level for those surfaces, and it identifies contamination control techniques required to ensure mission success.

This book presents a collection of major developments in chaos systems covering aspects on chaotic behavioral modeling and simulation, control and synchronization of chaos systems, and applications like secure communications. It is a good source to acquire recent knowledge and ideas for future research on chaos systems and to develop experiments applied to real life problems. That way, this book is very interesting for students, academia and industry since the collected chapters provide a rich cocktail while balancing theory and applications.

Capturing the warmth and fun of forming close relationships with children, this book offers simple advice to parents of children who find it difficult to attach and bond - whether following adoption, divorce or other difficult experiences. Attachment therapist Deborah D. Gray describes how to use the latest thinking on attachment in your daily parenting. She reveals sensory techniques which have proven to help children bond - straightforward activities like keeping close eye contact or stroking a child's feet or cheeks - and explains why routines like mealtimes and play time are so important in helping children to attach. The book offers positive ideas for responding to immediate crises like difficult behaviour and meltdowns, but importantly also offers longer-term strategies to help children to develop the skills they need to cope as they grow up - the ability to plan, concentrate and be in control of their emotions. Offering fascinating insights into how children who struggle to attach can be helped, this book is full of easy-to-use ideas which will help you to enjoy the many pleasures of bonding and attaching with your child.

The analysis of the vulnerability of buildings against progressive collapse is a challenging task. Progressive Collapse of Structures: Numerical Codes and Applications provides a variety of numerical analysis tools and methods which allow engineers to simulate structural collapse behavior during all stages of the process This book covers methods such as adaptively shifted integration and ASI-Gauss. Algorithms are supplied to simulate fracture and contact behaviors. The author also supplies simple numerical examples including case studies from the World Trade Center (WTC) towers in New York City, Nuevo Leon buildings in Mexico, and the collapse of the Canterbury Television (CTV) building in New Zealand Provides algorithms for simulating fracture and contact behaviors of structural members Covers fire-induced progressive collapse analyses for high-rise towers Provides codes for simulating seismic pounding phenomena, blast demolition and fire-induced progressive collapse

Create an heir or I lose the family business.The final decree from my father on his deathbed, a millionaire who cared more about his business and money than what his son wanted in life, than if his son was happy.I had a year to find a woman and convince her to have my baby or I'd lose everything. It was easy enough with the socialites who hung around in hopes I'd be with one of them.But it would never happen.I wanted a woman for my own, someone I could love, who could see past all my money and wanted me for me and not how I could advance their life. Yet at the end of the day, women only wanted me because I had deep pockets.But then there was Elise. My employee. A woman who I needed to keep a professional relationship with. I didn't see her as a means to an end. I saw her as the only woman who sparked life inside me with just a look. The only woman to have ever done that.I hadn't desired someone in a long time, hadn't wanted a woman in my bed for longer than I'd admit.I wanted to say screw it with my father's demand, and if that meant losing everything, so be it.But could Elise be the one to give me everything? Happiness, love... a baby?

The ideal Easter Gift for your friends, mom, classmates, grandma, aunt... This notebook distinguishes itself by: it's beautiful design on the inside (take a peek in the preview) the crisp and clean colorful cover it's square size (8.5 x 8.5 inches, equals 21,5 x 21,5 cm's) which makes it a great gift!

Turnaround Management for the Oil, Gas, and Process Industries: A Project Management Approach helps readers understand the phases of development in preparation for a turnaround, with each relevant phase easily identified. Specific to the process industry, especially oil and gas, petrochemical and power plants, this reference simplifies the entire lifecycle of a turnaround and provides specific examples of both successful and unsuccessful turnaround projects. By identifying the most significant performance indicators and strategies to ensure that targets are met, this book will help plant managers keep plants safe, efficient and running successfully. Aligns turnaround project management with ISO guidance and ANSI/PMI standards Utilizes the best tools for long-term planning, including instructional videos and training material Helps users gain practical knowledge through both good and bad turnaround management case studies Presents real-world issues and challenges encountered

This book provides a broad range of topics on fluid dynamics for advanced scientists and professional researchers. The text helps readers develop their own skills to analyze fluid dynamics phenomena encountered in professional engineering by reviewing diverse informative chapters herein.

Geothermal Well Test Analysis: Fundamentals, Applications and Advanced Techniques provides a comprehensive review of the geothermal pressure transient analysis methodology and its similarities and differences with petroleum and groundwater well test analysis. Also discussed are the different tests undertaken in geothermal wells during completion testing, output/production testing, and the interpretation of data. In addition, the book focuses on pressure transient analysis by numerical simulation and inverse methods, also covering the familiar pressure derivative plot. Finally, non-standard geothermal pressure transient behaviors are analyzed and interpreted by numerical techniques for cases beyond the limit of existing analytical techniques. Provides a guide on the analysis of well test data in geothermal wells, including pressure transient analysis, completion testing and output testing Presents practical information on how to avoid common issues with data collection in geothermal wells Uses SI units, converting existing equations and models found in literature to this unit system instead of oilfield units This is a workbook to go with The Alchemy of Abundance Class taught by Linda Baker. The workbook contains valuable information on increasing your abundance in life on its own, but is better when used with the class.

Grab this funny CBD Weightlifting Fitness Funny Weed Cannabis as a gift for your daughter, son, brother, sister, girlfriend, boyfriend, wife, husband, dad, mom, aunt, uncle, grandma or grandpa who loves Animal Pet Dog Mexican Food Notebooks Usage: Gratitude Journal 5 Minute Journal Affirmation Journal Mindfulness Journal Happiness, Positivity, Mood Journal Prayer Journal Writing, Poetry Journal Travel Journal Work, Goal Journal Daily Planner Dream Journal Yoga, Fitness, Weight Loss Journal Recipe, Food Journal Password Journal Art Journal Log Book Diary Features: 6 x 9 page size 120 pages Dotted grid pages Cream/Ivory colored paper Soft cover / paperback Matte finish cover Grab this funny Believe. Achieve. Succeed

Inspirational Quote Journal as a gift for your daughter, son, brother, sister, girlfriend, boyfriend, wife, husband, dad, mom, aunt, uncle, grandma or grandpa who loves Animal Pet Dog Mexican Food Notebooks Usage: Gratitude Journal 5 Minute Journal Affirmation Journal Mindfulness Journal Happiness, Positivity, Mood Journal Prayer Journal Writing, Poetry Journal Travel Journal Work, Goal Journal Daily Planner Dream Journal Yoga, Fitness, Weight Loss Journal Recipe, Food Journal Password Journal Art Journal Log Book Diary Features: 6 x 9 page size 120 pages Dotted grid pages Cream/Ivory colored paper Soft cover / paperback Matte finish cover

Embrace and revel in the stories of the toughest cyclists of all time, told by The Velominati, originators of The Rules. Read and get ready to ride . . . In cycling, suffering brings glory: a rider's value can be judged by their results, but also by their panache and heroism. Prepared to be awed and inspired by Chris Froome riding on at the Tour de France with a broken wrist or Geraint Thomas finishing it with a broken pelvis. In The Hardmen the writers behind cycling superblog Velominati.com and The Rules will tell the stories and illuminate the myths of not just the greatest cyclists ever, but the toughest. From Eddy Merckx to Beryl Burton, and from Marianne Vos to Edwig Van Hooydonk, the book will lay bare the secrets of their extraordinary and inspirational endurance in the face of pain, danger and disaster. After all, suffering is one of the joys of being a cyclist. Embrace climbs, relish the descents, and get ready to harden up. . .

BuJo, it's a day planner, a diary, and more. BuJo turns the chaos of coordinating your life into a streamlined system that helps you be more productive and reach your personal and professional goals. With sections to log your daily to-do's, monthly calendar, notes, long-term desires and more. This bullet journal consists of pages with Celtic imagery and inspirational quotes from around the world peppered in between.

Opportunity presents itself in, of all places--Las Vegas. Randy and his girls are flown to Sin City on a corporate jet and after being wined and dined and...ah...other things, are offered the opportunity to host that Summer's Adult Pool Parties at the Galaxy & Eden Hotels EXCERPT We arrived to the Scottsdale Airport terminal at one-forty, with twenty minutes to spare. The Prince's right hand man, Fahd Barakah, met us and escorted us to Las Vegas. Fahd apologized for the prince not being there. It seems to pass the time he got involved in a game of Chemin de fer and lost 6.7 million dollars, so he sent Fahd instead, because he was trying to recoup his loses. We flew to Vegas in Prince Salam's tricked-out Gulfstream 650, which according to Fahd cost 89 million dollars. I was shocked. I had no idea private planes cost that much. The flight was uneventful and we arrived at McCarran Executive Air Terminal at 1:45 pm—earlier than we left due to the time difference. From there a stretch limousine zipped us the two miles to the Galaxy Hotel where Romano greeted us effusively, especially me. After embracing me and kissing my cheek, he said, "Ah, April. I'm so glad you came. I have been so looking forward to seeing you again." He winked. "I remember our time together at the Phoenician most fondly." I remembered too. I remembered how handsome he was/is and how much he turned me on. "It's good to see you again, too. I'm looking forward to working in Vegas again." Romano's eyebrows rose. "Again? I wasn't aware you had worked here before." A flush surged through me. "Oh, it was for only two weeks when I was in college." "I see. Well I'm sorry I missed you then." He chuckled. "You might never have gone back to Phoenix." His eyes wandered to Lita, who stood between me and Randy. "And who is this lovely creature?" "Oh! This is Lita. Lita this is...I'm sorry but I don't know your first name." "It's Julio. I seldom use it, everyone calls me Romano, but you can use either name." "Lita, this is Julio Romano and Julio, this is Lita Brooks." Lita did a half curtsy. "Pleased to meet you, Mr. Romano." "Please, please. Julio or Romano. We are going to be famiglia around here." He took Lita's hand, raised it chest high then leaned down and kissed the top. "Lovely name for a lovely creature. I hope we can get to know each other real good. As Lita blushed, Romano lowered her hand and held out his hand to Randy. "And you are?" "Randy Evers." Randy took the offered hand and shook it. "Romano...or Julio, if you prefer. You are the impresario, no?" Randy laughed. "I've been called many things but never that." Romano laughed too. "Well my friend, you have a nose for beautiful women. Counting Lita, I have beheld three. How many more gorgeous courtesans do you have for us?" "Only one of the quality you want." Romano's eyes narrowed. "Oh, you must keep your talented nose, ears and eyes out for more. We can always put beautiful women to work." Addressing everyone Romano then asked, "Have you eaten?" Randy Lita and I shook our heads. "Only an early breakfast." Romano stuck his arms out and lolled his head back. "Then you must be starved. "Let's go in the hotel, get you a room and we'll meet for dinner after you freshen up. Perhaps the Prince will be done with his foolishness by then." While Randy went with Romano to check on the Prince, we took an elevator to the thirty-second floor where our suite—suite 3206 was located. Romano insisted we take a suite that was saved for high rolling VIPs. Lita and I decided to share one bedroom though we'd probably all end up in the same extra-king sized bed. If Randy wanted to be by himself or if he picked up a show girl, He could have the bedroom that adjoined the suite, but also had it's own entrance. The three of us were supposed to meet Romano and Prince Salam at five-thirty in the Alpha Centauri gourmet room for what Romano described as a 'gastronomic orgy'. Randy suggested we pull out all stops and look our very best for the occasion. Lita and I agreed. This was the big leagues and the stakes were high. If we pulled it off our lives would change like we never imagined.

Fundamentals of shipboard machinery, equipment, and engineering plants are presented in this text prepared for engineering officers. A general description is included of the development of naval ships, ship design and construction, stability and buoyancy, and damage and casualty control. Engineering theories are explained on the background of ship propulsion and steering, lubrication systems, measuring devices, thermodynamics, and energy exchanges. Conventional steam turbine propulsion plants are presented in such units as machinery arrangement, plant layout, piping systems, propulsion boilers and their fittings and controls, steam turbines, and heat transfer apparatus in condensate and feed systems. General principles of diesel, gasoline, and gas turbine engines are also provided. Moreover, nuclear power plants are analyzed in terms of the fission process, reactor control, and naval nuclear power plant. Auxiliary equipment is also described. The text is concluded by a survey of newly developed hull forms, propulsion and steering devices, direct energy conversion systems, combined power plants, central operations systems, and fuel conversion programs. Illustrations for explanation purposes are also given.

Autobiography has seen enormous expansions and challenges over the past decades. One of these expansions has been in comics, and it is an expansion that pushes back against any postmodern notion of the death of the author/subject, while also demanding new approaches from critics. Drawing from Life: Memory and Subjectivity in Comic Art is a collection of essays about autobiography, semiautobiography, fictionalized autobiography, memory, and self-narration in sequential art, or comics. Contributors come from a range of academic backgrounds including English, American studies, comparative literature, gender studies, art history, and cultural studies. The book engages with well-known figures such as Art Spiegelman, Marjane

Satrapi, and Alison Bechdel; with cult-status figures such as Martin Vaughn-James; and with lesser-known works by artists such as Frédéric Boilet. Negotiations between artist/writer/body and drawn/written/text raise questions of how comics construct identity, and are read and perceived, requiring a critical turn towards theorizing the comics' viewer. At stake in comic memoir and semi-autobiography is embodiment. Remembering a scene with the intent of rendering it in sequential art requires nonlinear thinking and engagement with physicality. Who was in the room and where? What was worn? Who spoke first? What images dominated the encounter? Did anybody smile? Man or mouse? Unhinged from the summary paragraph, the comics artist must confront the fact of the flesh, or the corporeal world, and they do so with fascinating results.

Personalized Name sketchbook - 6 x 9 inch. This stylish and abstract personalized sketchbook and doodling journal has 110 dot grid pages measuring 6 x 9 inches in size. This journal is great for sketching, drawing practice, doodling, brainstorming, meditation and mindfulness journaling. The Perfect Personalized birthday, Christmas, holiday or back to school gift for that beautiful person in your life. The journal is 6 x 9 inches in size and has 110 blank dot grid pages ready for tons of scribbles, handwriting practice, doodling, coloring and more! Be sure to check the Loveable Fringe page for even more designs, styles and sizes.

This book explores the conditions under which Nuclear Weapons Free Zones (NWFZs) can be established. It analyzes four hypotheses that explain the factors contributing to the formation of NWFZs, building upon realist, constructivist and liberal theories from international relations. Through structured focused comparison, the book presents and compares the emergence of NWFZs in Latin America, the South Pacific, Southeast Asia, Africa, Central Asia, and the Middle East, which is a prospect for a NWFZ. The book argues that NWFZ projects depend on the following conditions: the security interest of regional states in avoiding nuclear threats, preexisting regional institutions and regional economic cooperation, leadership by a core of regional powers and shared interest in spreading non-proliferation norms. Democracy is not a necessary condition, but democratization can help overcome barriers presented by hesitant or opposed regional governments. As too many of the mentioned necessary conditions are lacking in the Middle East, a NWFZ project, thus, will be possible only after major political changes. This book will be of much interest to students of nuclear proliferation, arms control, security studies and International Relations.

While solar is the fastest-growing energy source in the world, key concerns around solar power's inherent variability threaten to de-rail that scale-up . Currently, integration of intermittent solar resources into the grid creates added complication to load management, leading some utilities to reject it altogether, while other operators may penalize the producers via rate increases or force solar developers to include storage devices on-site to smooth out power delivery at the point of production. However these efforts at mitigation unfold, it is increasingly clear to parties on all sides that energy storage will be pivotally important in the drive to boost the integration of variable renewable sources into power infrastructures across the globe. Thoughtfully implemented storage technologies can reduce peak demand, improve day-to-day reliability, provide emergency power in case of interrupted generation, reduce consumer and utility costs by easing load balance challenges, decrease emissions, and increase the amount of distributed and renewable energy that makes it into the grid. While energy storage has long been an area of concern for scientists and engineers, there has been no comprehensive single text covering the storage methods available to solar power producers, which leaves a lamentable gap in the literature core to this important field. Solar Energy Storage aims to become the authoritative work on the topic, incorporating contributions from an internationally recognized group of top authors from both industry and academia, focused on providing information from underlying scientific fundamentals to practical applications, and emphasizing the latest technological developments driving this discipline forward. Expert contributing authors explain current and emergent storage technologies for solar, thermal, and photovoltaic applications. Sheds light on the economic status of solar storage facilities, including case studies of the particular challenges that solar energy systems present to remote locations. Includes information on: chemical storage mechanisms, mechanical storage tactics, pumped hydro, thermal storage, and storage strategies for systems of all sizes—from centralized utilities to distributed generation.

This book offers readers a clear guide to implementing engineering applications with FPGAs, from the mathematical description to the hardware synthesis, including discussion of VHDL programming and co-simulation issues. Coverage includes FPGA realizations such as: chaos generators that are described from their mathematical models; artificial neural networks (ANNs) to predict chaotic time series, for which a discussion of different ANN topologies is included, with different learning techniques and activation functions; random number generators (RNGs) that are realized using different chaos generators, and discussions of their maximum Lyapunov exponent values and entropies. Finally, optimized chaotic oscillators are synchronized and realized to implement a secure communication system that processes black and white and grey-scale images. In each application, readers will find VHDL programming guidelines and computer arithmetic issues, along with co-simulation examples with Active-HDL and Simulink. The whole book provides a practical guide to implementing a variety of engineering applications from VHDL programming and co-simulation issues, to FPGA realizations of chaos generators, ANNs for chaotic time-series prediction, RNGs and chaotic secure communications for image transmission.

Graphic Violence provides an innovative introduction to the relationship between violence and visual media, discussing how media consumers and producers can think critically about and interact with violent visual content. It comprehensively surveys predominant theories of media violence and the research supporting and challenging them, addressing issues ranging from social learning, to representations of war and terrorism, to gender and hyper-masculinity. Each chapter features original artwork presenting a story in the style of a graphic novel to demonstrate the concepts at hand. Truly unique in its approach to the subject and medium, this volume is an excellent resource for undergraduate students of communication and media theory as well as anyone interested in understanding the causes and effects of violence in media.

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