

Power System Ysis Arthur Bergen Solution Manual

Praise for How I Became a Quant "Led by two top-notch quants, Richard R. Lindsey and Barry Schachter, How I Became a Quant details the quirky world of quantitative analysis through stories told by some of today's most successful quants. For anyone who might have thought otherwise, there are engaging personalities behind all that number crunching!" --Ira Kawaller, Kawaller & Co. and the Kawaller Fund "A fun and fascinating read. This book tells the story of how academics, physicists, mathematicians, and other scientists became professional investors managing billions." --David A. Krell, President and CEO, International Securities Exchange "How I Became a Quant should be must reading for all students with a quantitative aptitude. It provides fascinating examples of the dynamic career opportunities potentially open to anyone with the skills and passion for quantitative analysis." --Roy D. Henriksson, Chief Investment Officer, Advanced Portfolio Management "Quants"--those who design and implement mathematical models for the pricing of derivatives, assessment of risk, or prediction of market movements--are the backbone of today's investment industry. As the greater volatility of current financial markets has driven investors to seek shelter from increasing uncertainty, the quant revolution has given people the opportunity to avoid unwanted financial risk by literally trading it away, or more specifically, paying someone else to take on the unwanted risk. How I Became a Quant reveals the faces behind the quant revolution, offering you the chance to learn firsthand what it's like to be a quant today. In this fascinating collection of Wall Street war stories, more than two dozen quants detail their roots, roles, and contributions, explaining what they do and how they do it, as well as outlining the sometimes unexpected paths they have followed from the halls of academia to the front lines of an investment revolution.

Your all-inclusive guide to all the latest technologies. Providing you with a better understanding of the latest technologies, including Cloud Computing, Software as a Service, Service-Oriented Architecture (SOA), Open Source, Mobile Computing, Social Networking, and Business Intelligence, The Next Wave of Technologies: Opportunities from Chaos helps you know which questions to ask when considering if a specific technology is right for your organization.: Demystifies powerful but largely misunderstood technologies; Explains how each technology works; Provides key guidance on determining if a p.

Atmospheric Science at NASA critically examines this politically controversial science, dissecting the often convoluted roles, motives, and relationships of the various institutional actors involved—among them NASA, congressional appropriation committees, government weather and climate bureaus, and the military.

The Problem with Work develops a Marxist feminist critique of the structures and ethics of work, as well as a perspective for imagining a life no longer subordinated to them.

Wind Power in Power Systems

Emerging Trends, Issues, and Challenges in the Brazilian Technology, Volume 1

Mergers, Acquisitions, and Corporate Restructurings

The Emerging Role of Chaplaincy Records in Global Health Care

Atmospheric Science at NASA

Analysis and Operation

Political Anthropology

As seen in military documents, medical journals, novels, films, television shows, and memoirs, soldiers' invisible wounds are not innate cracks in individual psyches that break under the stress of war. Instead, the generation of weary warriors is caught up in wider social and political networks and institutions—families, activist groups, government bureaucracies, welfare state programs—mediated through a military hierarchy, psychiatry rooted in mind-body sciences, and various cultural constructs of masculinity. This book offers a history of military psychiatry from the American Civil War to the latest Afghanistan conflict. The authors trace the effects of power and knowledge in relation to the emotional and psychological trauma that shapes soldiers' bodies, minds, and souls, developing an extensive account of the emergence, diagnosis, and treatment of soldiers' invisible wounds.

Violent Becomings conceptualizes the Mozambican state not as the bureaucratically ordered polity of the nation-state, but as a continuously emergent and violently challenged mode of ordering. In doing so, this book addresses the question of why colonial and postcolonial state formation has involved violent articulations with so-called 'traditional' forms of sociality. The scope and dynamic nature of such violent becomings is explored through an array of contexts that include colonial regimes of forced labor and pacification, liberation war struggles and civil war, the social engineering of the post-independence state, and the popular appropriation of sovereign violence in riots and lynchings.

Provides a basic comprehensive treatment of the major electrical engineering problems associated with the design and operation of electric power systems. The major components of the power system are modeled in terms of their sequence (symmetrical component) equivalent circuits. Reviews power flow, fault analysis, economic dispatch, and transient stability in power systems.

The essential M&A primer, updated with the latest research and statistics Mergers, Acquisitions, and Corporate Restructurings provides a comprehensive look at the field's growth and development, and places M&As in realistic context amidst changing trends, legislation, and global perspectives. All-inclusive coverage merges expert discussion with extensive graphs, research, and case studies to show how M&As can be used successfully, how each form works, and how they are governed by the laws of major countries. Strategies and motives are carefully analyzed alongside legalities each step of the way, and specific techniques are dissected to provide deep insight into real-world operations. This new seventh edition has been revised to improve clarity and approachability, and features the latest research and data to provide the most accurate assessment of the current M&A landscape. Ancillary materials include PowerPoint slides, a sample syllabus, and a test bank to facilitate training and streamline comprehension. As the global economy slows, merger and acquisition activity is expected to increase. This book provides an M&A primer for business executives and financial managers seeking a deeper understanding of how corporate restructuring can work for their companies. Understand the many forms of M&As, and the laws that govern them Learn the offensive and defensive techniques used during hostile acquisitions Delve into the strategies and motives that inspire M&As Access the latest data, research, and case studies on private equity, ethics, corporate governance, and more From large megadeals to various forms of downsizing, a full range of restructuring practices are currently being used to revitalize and supercharge companies around the world. Mergers, Acquisitions, and Corporate Restructurings is an essential resource for executives needing to quickly get up to date to plan their own company's next moves.

Ethnographies from South America

Paris and Modern Gastronomic Culture

XXI Professional Culture of the Specialist of the Future

An Introduction

The World of Movies, Media, and Multimedia : Language, History, Theory

Opportunities from Chaos

The Invention of the Restaurant

The science behind global warming, and its history: how scientists learned to understand the atmosphere, to measure it, to trace its past, and to model its future. Global warming skeptics often fall back on the argument that the scientific case for global warming is all model predictions, nothing but simulation; they warn us that we need to wait for real data, "sound science." In A Vast Machine Paul Edwards has news for these skeptics: without models, there are no data. Today, no collection of signals or observations—even from satellites, which can "see" the whole planet with a single instrument—becomes global in time and space without passing through a series of data models. Everything we know about the world's climate we know through models. Edwards offers an engaging and innovative history of how scientists learned to understand the atmosphere—to measure it, trace its past, and model its future.

Chronicling the British pursuit of the legendary El Dorado, Masters of All They Surveyed tells the fascinating story of geography, cartography, and scientific exploration in Britain's unique South American colony, Guyana. How did nineteenth-century Europeans turn areas they called terra incognita into bounded colonial territories? How did a tender-footed gentleman, predisposed to seasickness (and unable to swim), make his way up churning rivers into thick jungle, arid savanna, and forbidding mountain ranges, survive for the better part of a decade, and emerge with a map? What did that map mean? In answering these questions, D. Graham Burnett brings to light the work of several such explorers, particularly Sir Robert H. Schomburgk, the man who claimed to be the first to reach the site of Raleigh's El Dorado. Commissioned by the Royal Geographical Society and later by the British Crown, Schomburgk explored and mapped regions in modern Brazil, Venezuela, and Guyana, always in close contact with Amerindian communities. Drawing heavily on the maps, reports, and letters that Schomburgk sent back to England, and especially on the luxuriant images of survey landmarks in his Twelve Views in the Interior of Guiana (reproduced in color in this book), Burnett shows how a vast network of traverse surveys, illustrations, and travel narratives not only laid out the official boundaries of British Guiana but also marked out a symbolic landscape that fired the British imperial imagination. Engagingly written and beautifully illustrated, Masters of All They Surveyed will interest anyone who wants to understand the histories of colonialism and science.

This book is open access under a CC BY license. Selfies, blogs and lifelogging devices help us understand ourselves, building on long histories of written, visual and quantitative modes of self-representations. This book uses examples to explore the balance between using technology to see ourselves and allowing our machines to tell us who we are.

This book requires an interdisciplinary understanding of creativity, ideal for the formation of a digital public culture. Educating students, young professionals and future engineers is to develop their capacity for creativity. Can creativity be learned? With this question, the relations of technology and art appear in a new light. Especially the notion of "progress" takes on a new meaning and must be distinguished from innovation. The discussion of particular educational approaches, the exploration of digital technologies and the presentation of best practice examples conclude the book. University teachers show how the teaching of creativity reinforces the teaching of other subjects, especially foreign languages.

Power System Dynamics

Architectures, Algorithms, and Applications

Proceedings of the 5th Brazilian Technology Symposium

Low Energy Low Carbon Architecture

Power System Voltage Stability

The Problem with Work

The Resilient Infrastructure Opportunity

Individual-based models are an exciting and widely used new tool for ecology. These computational models allow scientists to explore the mechanisms through which population and ecosystem ecology arises from how individuals interact with each other and their environment. This book provides the first in-depth treatment of individual-based modeling and its use to develop theoretical understanding of how ecological systems work, an approach the authors call "individual-based ecology." Grimm and Railsback start with a general primer on modeling: how to design models that are as simple as possible while still allowing specific problems to be solved, and how to move efficiently through a cycle of pattern-oriented model design, implementation, and analysis. Next, they address the problems of theory and conceptual framework for individual-based ecology: What is "theory"? That is, how do we develop reusable models of how system dynamics arise from characteristics of individuals? What conceptual framework do we use when the classical differential equation framework no longer applies? An extensive review illustrates the ecological problems that have been addressed with individual-based models. The authors then identify how the mechanics of building and using individual-based models differ from those of traditional science, and provide guidance on formulating, programming, and analyzing models. This book will be helpful to ecologists interested in modeling, and to other scientists interested in agent-based modeling.

Looks at the social, political, and intellectual history of dining out, food culture, and gastronomy in Paris.

This book presents the proceedings of the 5th Edition of the Brazilian Technology Symposium (BTSym). This event brings together researchers, students and professionals from the industrial and academic sectors, seeking to create and/or strengthen links between issues of joint interest, thus promoting technology and innovation at nationwide level. The BTSym facilitates the smart integration of traditional and renewable power generation systems, distributed generation, energy storage, transmission, distribution and demand management. The areas of knowledge covered by the event are Smart Designs, Sustainability, Inclusion, Future Technologies, IoT, Architecture and Urbanism, Computer Science, Information Science, Industrial Design, Aerospace Engineering, Agricultural Engineering, Biomedical Engineering, Civil Engineering, Control and Automation Engineering, Production Engineering, Electrical Engineering, Mechanical Engineering, Naval and Oceanic Engineering, Nuclear Engineering, Chemical Engineering, Probability and Statistics.

The book gathers high-quality research papers presented at the International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017). It includes technical sections describing progress in the fields of advanced computing and intelligent engineering, and is primarily intended for postgraduate students and researchers working in Computer Science and Engineering. However, researchers working in Electronics will also find the book useful, as it addresses hardware technologies and next-gen communication technologies.

Recent Advances & Future Directions

The Next Wave of Technologies

Individual-based Modeling and Ecology

Electric Energy Systems

Stability and Control

A Practitioner's Guide

Lifelines

Standard text for teachers and students of political anthropology.

This book presents the Proceedings of The 6th Brazilian Technology Symposium (BTSym'20). The book discusses the current technological issues on Systems Engineering, Mathematics and Physical Sciences, such as the Transmission Line, Protein-Modified Mortars, Electromagnetic Properties, Clock Domains, Chebyshev Polynomials, Satellite Control Systems, Hough Transform, Watershed Transform, Blood Smear Images, Toxoplasma Gondii, Operation System Developments, MIMO Systems, Geothermal-Photovoltaic Energy Systems, Mineral Flotation Application, CMOS Techniques, Frameworks Developments, Physiological Parameters Applications, Brain-Computer Interface, Artificial Neural Networks, Computational Vision, Security Applications, FPGA Applications, IoT, Residential Automation, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Digital Image Processing, Patters Recognition, Machine Learning, Photocatalytic Process, Physical-Chemical Analysis, Smoothing Filters, Frequency Synthesizers, Voltage-Controlled Ring Oscillator, Difference Amplifier, Photocatalysis, Photodegradation, current technological issues on Human, Smart and Sustainable Future of Cities, such as the Digital Transformation, Data Science, Hydrothermal Dispatch, Project Knowledge Transfer, Immunization Programs, Efficiency and Predictive Methods, PMBOK Applications, Logistics Process, IoT, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Fingerspelling Recognition, Cognitive Ergonomics, Ecosystem Services, Environmental, Ecosystem Services Valuation, Solid Waste and University Extension.

The book is divided into five parts with a total of 14 chapters. The first part begins by introducing the basic concepts of stability. The second part develops the system model in detail. Part three presents the small signal stability analysis applied to the problem of low frequency oscillations. Part four presents the SSR phenomenon and part five deals with the transient stability problem. The basic concepts of voltage stability and methods of analysis are discussed in Appendix A.

Sets movies in the contexts of their aesthetic and technological antecedents and reviews all important factors of and issues pertaining to contemporary film and television production and theory.

Information Systems Development

Progress in Advanced Computing and Intelligent Engineering

Charting Spiritual Care

International Handbook of Adolescent Pregnancy

Insights from 25 of Wall Street's Elite

Medical, Psychosocial, and Public Health Responses

Language, Symbolism, and Popular Culture

Race and Ideology proposes an understanding of racism as a divide-and-conquer mechanism.

The second edition of the highly acclaimed Wind Power in Power Systems has been thoroughly revised and expanded to reflect the latest challenges associated with increasing wind power penetration levels. Since its first release, practical experiences with high wind power penetration levels have significantly increased. This book presents an overview of the lessons learned in integrating wind power into power systems and provides an outlook of the relevant issues and solutions to allow even higher wind power penetration levels. This includes the development of standard wind turbine simulation models. This extensive update has 23 brand new chapters in cutting-edge areas including offshore wind farms and storage options, performance validation and certification for grid codes, and the provision of reactive power and voltage control from wind power plants. Key features: Offers an international perspective on integrating a high penetration of wind power into the power system, from basic network interconnection to industry deregulation; Outlines the methodology and results of European and North American large-scale grid integration studies; Extensive practical experience from wind power and power system experts and transmission systems operators in Germany, Denmark, Spain, UK, Ireland, USA, China and New Zealand; Presents various wind turbine designs from the electrical perspective and models for their simulation, and discusses industry standards and world-wide grid codes, along with power quality issues; Considers concepts to increase penetration of wind power in power systems, from wind turbine, power plant and power system redesign to smart grid and storage solutions. Carefully edited for a highly coherent structure, this work remains an essential reference for power system engineers, transmission and distribution network operator and planner, wind turbine designers, wind project developers and wind energy consultants dealing with the integration of wind power into the distribution or transmission network. Up-to-date and comprehensive, it is also useful for graduate students, researchers, regulation authorities, and policy makers who work in the area of wind power and need to understand the relevant power system integration issues.

Providing a complete and in-depth overview of the available knowledge in the area of low energy and low carbon architecture. The scope of this edited book includes several important topics ranging from chapters giving a broad view of the progressing models in ecologically responsible environments to other chapters focussing on recent advances in de Infrastructure—electricity, telecommunications, roads, water, and sanitation—are central to people's lives. Without it, they cannot make a living, stay healthy, and maintain a good quality of life. Access to basic infrastructure is also a key driver of economic development. This report lays out a framework for understanding infrastructure resilience – the ability of infrastructure systems to function and meet users' needs during and after a natural hazard. It focuses on four infrastructure systems that are essential to economic activity and people's well-being: power systems, including the generation, transmission, and distribution of electricity; water and sanitation—especially water utilities; transport systems—multiple modes such as

road, rail, waterway, and airports, and multiple scales, including urban transit and rural access; and telecommunications, including telephone and Internet connections.

Indigenous Life Projects and Extractivism

Comprehensive Dissertation Index, 1861-1972: Chemistry

Technology, Innovation and Creativity in Digital Society

The Cow Chase (Reprint)

The Oxford Handbook of Qualitative Research

How We Use Selfies, Blogs and Wearable Devices to See and Shape Ourselves

How I Became a Quant

Information Systems Development: Reflections, Challenges and New Directions, is the collected proceedings of the 20th International Conference on Information Systems Development held in Edinburgh, Scotland, August 24 - 26, 2011. It follows in the tradition of previous conferences in the series in exploring the connections between industry, research and education. These proceedings represent ongoing reflections within the academic community on established information systems topics and emerging concepts, approaches and ideas. It is hoped that the papers herein contribute towards disseminating research and improving practice

Cities across the globe are looking to develop affordable, environmentally friendly, and socially responsible transportation solutions that can meet the accessibility needs of expanding metropolitan populations and support future economic and urban development. When appropriately planned and properly implemented as part of a larger public transportation network, urban rail systems can provide rapid mobility and vital access to city centers from surrounding districts. High-performing urban rail services, when carefully approached as development projects, can help enhance quality of life by giving citizens access to employment opportunities, essential services, urban amenities, and neighboring communities. The purpose of this Handbook is to synthesize and disseminate knowledge to inform the planning, implementation, and operations of urban rail projects with a view towards: -- Emphasizing the need for early studies and project planning; -- Making projects more sustainable (economically, socially, and environmentally); -- Improving socioeconomic returns and access to opportunities for users; -- Maximizing the value of private participation, where appropriate; and -- Building capacity within project implementing and managing institutions This Handbook provides experiential advice to tackle the technical, institutional, and financial challenges faced by decision makers considering urban rail projects. It brings together the expertise of World Bank staff and the input of numerous specialists to synthesize international 'good practices' and recommendations that are independent of commercial, financial political, or other interests. The material presented is intended as an honest-broker guide to maximize the impact and manage the challenges of urban rail systems in cities in both developed and developing countries. Rather than identify a single approach, this Handbook acknowledges the complexities and context necessary when approaching an urban rail development by helping to prepare decision makers to ask the right questions, consider the key issues, perform the necessary studies, apply adequate tools, and learn from international good practice all at the right time in the project development process.

The rates are on the decline worldwide. But adolescent pregnancies still occur, placing millions of girls each year at risk for medical complications and social isolation and their babies for severe health problems—especially when prenatal care is inadequate or nonexistent. But as the opportunity for young women and girls increases around the world, adolescent pregnancy will continue to decline. Featuring reports from countries across the developed and developing worlds, the International Handbook of Adolescent Pregnancy analyzes the scope of the problem and the diversity of social and professional responses. Its biological/ecological perspective identifies factors influencing childhood pregnancy, as well as outcomes, challenges and needs of very young mothers as they differ across nations and regions. Salient comparisons are made as cultural contexts and community support vary widely and attention is paid to issues such as child marriage, LGBT concerns and the impact of religion and politics on health care, particularly access to contraception, abortion and other services. This global coverage heightens the understanding of readers involved in care, education and prevention programs and otherwise concerned with the psychosocial development, reproductive health and general well-being of girls. Included in the Handbook: Biological influences of adolescent pregnancy. Adolescent maternal health and childbearing. Adolescent pregnancy and mental health. International perspectives on adolescent fathers. Adolescent pregnancy as a feminist issue. Adolescent pregnancy as a social problem. Plus viewpoints from more than thirty countries. As a unique source of up-to-date findings and clear-headed analysis, the International Handbook of Adolescent Pregnancy is a go-to reference for practitioners and researchers in maternal and child health, pediatrics, adolescent medicine and global health.

The Oxford Handbook of Qualitative Research presents a comprehensive overview of the field of qualitative research. It is intended for students of all levels, faculty, and researchers across the social sciences. The contributors represent some of the most influential and innovative researchers in the field as well as emerging scholars. This handbook provides a broad introduction to the field of qualitative research to those with little to no background in the subject, while simultaneously providing substantive contributions to the field that will be of interest to even the most experienced researchers. It serves as a user-friendly teaching tool suitable for a range of undergraduate or graduate courses, as well as individuals working on their thesis or other research projects. With a focus on methodological instruction, this volume offers both a retrospective and prospective view of the field. The first two sections explore the history of the field, ethics, and philosophical/theoretical approaches. The next three sections focus on the major methods of qualitative practice as well as newer approaches (such as arts-based research and internet research); area studies often excluded (such as museum studies and disaster studies); and mixed methods and participatory methods (such as community-based research). The next section covers key issues including data analysis, interpretation, writing and assessment. The final section offers a commentary about politics and research and the move towards public scholarship.

Commodity Option Pricing

Parallel Computing

State Formation, Sociality, and Power in Mozambique

The Urban Rail Development Handbook

Power, Knowledge, and the Invisible Wounds of Soldiers

Power Systems Analysis

Power System Analysis

This open access volume is the first academic book on the controversial issue of including spiritual care in integrated electronic medical records (EMR). Based on an international study group comprising researchers from Europe (The Netherlands, Belgium and States, Canada, and Australia, this edited collection provides an overview of different charting practices and experiences in various countries and healthcare contexts. Encompassing case studies and analyses of theological, ethical, legal, healthcare policy, and a groundbreaking reference for future discussion, research, and strategic planning for inter- or multi-faith healthcare chaplains and other spiritual care providers involved in the new field of documenting spiritual care in EMR. Topics explored among the chapters: Charting/Documenting/Recording/Assessment Charting Spiritual Care: Psychiatric and Psychotherapeutic Aspects Palliative Chaplain Spiritual Assessment Progress Notes Charting Spiritual Care: Ethical Perspectives Charting Spiritual Care in Digital Health: Anal Perspectives Charting Spiritual Care: The Emerging Role of Chaplaincy Records in Global Health Care is an essential resource for researchers in interprofessional spiritual care and healthcare chaplaincy, healthcare chaplains and other spiritual caregivers (nurses, psychologists, etc.), practical theologians and health ethicists, and church and denominational representatives.

Commodity Option Pricing: A Practitioner's Guide covers commodity option pricing for quantitative analysts, traders or structurers in banks, hedge funds and commodity trading companies. Based on the author's industry experience with commodity derivatives thorough and mathematical introduction to the various market conventions and models used in commodity option pricing. It introduces the various derivative products typically traded for commodities and describes how these models can be calibrated and used in management. The book has been developed with input from traders and examples using real world data, together with relevant up to date academic research. The book includes practical descriptions of market conventions and quote codes used in commodity products seen in broker quotes and used in calibration. Also discussed are commodity models and their mathematical derivation and volatility surface modelling for traded commodity derivatives. Gold, silver and other precious metals are addressed, including gold rates, as well as copper, aluminium and other base metals, crude oil and natural gas, refined energy and electricity. There are also sections on the products encountered in commodities such as crack spread and spark spread options and alternative commodity weather derivatives, bandwidth and telecommunications trading, plastics and freight. Commodity Option Pricing is ideal for anyone working in commodities or aiming to make the transition into the area, as well as academics needing to familiarize themselves with conventions of the commodity markets.

Electric Energy Systems, Second Edition provides an analysis of electric generation and transmission systems that addresses diverse regulatory issues. It includes fundamental background topics, such as load flow, short circuit analysis, and economic dispatch such as harmonic load flow, state estimation, voltage and frequency control, electromagnetic transients, etc. The new edition features updated material throughout the text and new sections throughout the chapters. It covers current issues in the industry, with associated control and scheduling problems, HVDC transmission, and use of synchrophasors (PMUs). The text explores more sophisticated protections and the new roles of demand, side management, etc. Written by internationally recognized specialists, range of worked out examples along with numerous exercises and solutions to enhance understanding of the material. Features Integrates technical and economic analyses of electric energy systems. Covers HVDC transmission. Addresses renewable generation and scheduling problems. Analyzes electricity markets, electromagnetic transients, and harmonic load flow. Features new sections and updated material throughout the text. Includes examples and solved problems.

This book is open access under a CC BY 4.0 license. In this book, the authors present a challenge for future research to build a stronger, more complete understanding of entrepreneurial phenomena. They argue that this more complete picture of entrepreneurship come from scholars who undertake at least some trailblazing projects; from scholars who broaden the range of research questions, the potential outcomes of entrepreneurial action, and the selection and combination of research methods; and from researchers who debate about the margins of the field and its sub-fields or about whether one theoretical or philosophical lens is superior to another. This book offers suggestions for future research through a variety of topics including prosocial action, innovation, family business development, and the financial, social, and psychological costs of failure. It promises to make an important contribution to the development of the field and help academics, organizations, and society make useful contributions to the generation of entrepreneurial phenomena.

Masters of All They Surveyed

Exploration, Geography, and a British El Dorado

How to Read a Film

Creating New Paths for Understanding the Field

Proceedings of ICACIE 2017, Volume 1

A Vast Machine

Feminism, Marxism, Antiracist Politics, and Postwork Imaginaries

Exploring indigenous life projects in encounters with extractivism, the present open access volume discusses how current turbulences actualise questions of indigeneity, difference and ontological dynamics in the Andes and Amazonia. While studies of extractivism in South America often focus on wider national and international politics, this contribution instead provides ethnographic explorations of indigenous politics, perspectives and worlds, revealing loss and suffering as well as creative strategies to mediate the extralocal. Seeking to avoid conceptual imperialism or the imposition of exogenous categories, the chapters are grounded in the respective authors' long-standing field research. The authors examine the reactions (from resistance to accommodation), consequences (from anticipation to rubble) and materials (from fossil fuel to water) diversely related to extractivism in rural and urban settings. How can Amerindian strategies to preserve localised communities in extractivist contexts contribute to ways of thinking otherwise?

Provides solutions to everyday voltage stability problems increasingly faced by engineers in electric power plants. Table of Contents: General Aspects of Electric Power Systems; What is Voltage Stability; Transmission System Reactive Power Compensation and Control; Power System Loads; Generation Characteristics; Simulation of Equivalent Systems; Voltage Stability of a Large System; Voltage Stability with HVDC Links; Power System Planning and Operating Guidelines. Appendices: A. Notes on the Per Unit System; B. Voltage Stability and the Power Flow Problem; C. Power Flow Simulation Methodology; D. Dynamic Analysis Methods; E. Equivalent System 2 Data; F. Voltage Instability Incidents. Index. Illustrations.

Limits to Bureaucratic Growth

Violent Becomings

Emerging Trends and Challenges in Technology

Race and Ideology

A History

Computer Models, Climate Data, and the Politics of Global Warming

Trailblazing in Entrepreneurship