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This book revisits the debate over the new international division of labour (NIDL) that dominated discussions in international political economy and development studies until the early 1990s. It submits that a revised NIDL thesis can shed light on the specificities of capitalist development in various parts of the world today. Taken together, the contributions amount to a novel value-theoretical approach to understanding the NIDL. This rests upon the distinction between the global economic content that determines the constitution and dynamics of the NIDL and the evolving national political forms that mediate its development. More specifically, the authors argue that uneven development is an expression of the underlying essential unity of the production of relative surplus-value on a world scale. They substantiate and illustrate this argument through several international case studies, including Argentina, Brazil, Ecuador, Ireland, South Korea, Spain and Venezuela.

Glacial Lake Missoula and Its Humongous Floods tells the gripping tale of a huge Ice Age lake that drained suddenly--not just once but repeatedly--and reshaped the landscape of the Northwest. The narrative follows the path of the floodwaters as they raged from western Montana across the Idaho Panhandle, then scoured through eastern Washington and down the Columbia Gorge to the Pacific Ocean. Smith/Hashemi's Foundations of Materials Science and Engineering, 5/e provides an eminently readable and understandable overview of engineering materials for undergraduate students. This edition offers a fully revised chemistry chapter and a new chapter on biomaterials as well as a new taxonomy for homework problems that will help students and instructors gauge and set goals for student learning. Through concise explanations, numerous worked-out examples, a wealth of illustrations & photos, and a brand new set of online resources, the new edition provides the most student-friendly introduction to the science & engineering of materials. The extensive media package available with the text provides Virtual Labs, tutorials, and animations, as well as image files, case studies, FE Exam review questions, and a solutions manual and lecture PowerPoint files for instructors.

The book is structured into six core parts. The first part sets the scene and explains how the use of Aral basin water resources, primarily used for irrigation, have destroyed the Aral Sea. The team explains how spheres and events interact and the related problems. Part 2 examines the social consequences of the ecological catastrophe and the affect of the Aral Sea desiccation on cultural and economic conditions of near Aral region. Part 3 explores the scientific causes of the destruction using detailed analyses and data plus some of their own research spanning aquatic biology, terrestrial biology, hydrology, water management and biodiversity. They also share some of the latest archaeological discoveries and paleobotanical analysis to delineate past levels and characteristics of the Aral Sea. There is particular focus on modern remote sensing and GIS techniques and how they can monitor the Aral Sea and the environment. Part 4 discusses regional and international initiatives to mitigate human and ecological problems of the Aral Sea and the wider political and economic consequences. With thorough insight of the total environment cost, the final chapters of the book will provide lessons for the future. There are insightful case studies throughout. Multidisciplinary by nature, all titles in our new reference book series will explore significant changes within the Earth's ecosystems and to some extent, and will tackle ways to think about our changing environment.

This book provides a detailed overview of the operational principles of modern mining geology, which are presented as a good mix of theory and practice, allowing use by a broad range of specialists, from students to lecturers and experienced geologists. The book includes comprehensive descriptions of mining geology techniques, including conventional methods and new approaches. The attributes presented in the book can be used as a reference and as a guide by mining industry specialists developing mining projects and for optimizing mining geology procedures. Applications of the methods are explained using case studies and are facilitated by the computer scripts added to the book as Electronic Supplementary Material.

This open access book describes modern applications of computational human modeling with specific emphasis in the areas of neurology and neuroelectromagnetics, depression and cancer treatments, radio-frequency studies and wireless communications. Special consideration is also given to the use of human modeling to the computational assessment of relevant regulatory and safety requirements. Readers working on applications that may expose human subjects to electromagnetic radiation will benefit from this book's coverage of the latest developments in computational modelling and human phantom development to assess a given technology's safety and efficacy in a timely manner. Describes construction and application of computational human models including anatomically detailed and subject specific models; Explains new practices in computational human modeling for neuroelectromagnetics, electromagnetic safety, and exposure evaluations; Includes a survey of modern applications for which computational human models are critical; Describes cellular-level interactions between the human body and electromagnetic fields.

Peter Stiling, co-author of Biology by Brooker et al., has introduced a new ecology text to the market. The main goal of this latest ecology text is to show how ecology is important in understanding global change. The book's main objective is to teach the basic principles of ecology and to relate these principles to many of the Earth's ecological problems. Users who purchase Connect Plus receive access to the full online ebook version of the textbook.

Transnational Corporations is a policy-oriented journal for the publication of research on the activities of transnational corporations and their implication for economic development. Articles accepted for publication in this issue report on the following research themes: international tax

Biodiesel Production: Technologies, Challenges, and Future Prospects provides in-depth information on fundamentals, approaches, technologies, source materials and associated socio-economic and political impacts of biodiesel production. This textbook is targetted to undergraduate students in chemical engineering, chemical technology, and biochemical engineering for courses in mass transfer, separation processes, transport processes, and unit operations. The principles of mass transfer, both diffusional and convective have been comprehensively discussed. The application of these principles to separation processes is explained. The more common separation processes used in the chemical industries are individually described in separate chapters. The book also provides a good understanding of the construction, the operating principles, and the selection criteria of separation equipment. Recent developments in equipment have been included as far as possible. The procedure of equipment design and sizing has been illustrated by simple examples. An overview of different applications and aspects of membrane separation has also been provided. 'Humidification and water cooling', necessary in every process indus-try, is also described. Finally, elementary principles of 'unsteady state diffusion' and mass transfer accompanied by a chemical reaction are covered. SALIENT FEATURES : • A balanced coverage of theoretical principles and applications. • Important recent developments in mass transfer equipment and practice are included. • A large number of solved problems of varying levels of complexities showing the applications of the theory are included. • Many end-chapter exercises. • Chapter-wise multiple choice questions. • An Instructors manual for the teachers.

Prepared by the Technical Council on Lifeline Earthquake Engineering of ASCE. This TCLEE Monograph covers the entire range of fire following earthquake (FFE) issues, from historical fires to 20th-century fires in Kobe, San Francisco, Oakland, Berkeley, and Northridge. FFE has the potential of causing catastrophic losses in the United States, Japan, Canada, New Zealand, and other seismically active countries with wood houses. This comprehensive book on FFE and urban conflagrations provides state-of-the-practice insight on unique issues, such as large diameter flex hose applications by fire and water departments. Topics include: History of past fires; Computer modeling of fire spread in the post-earthquake urban environment; Concurrent damage and fire impacts for water, power gas, communication and transportation systems; Examples of reliable water systems built or designed in San Francisco, Vancouver, Berkeley, and Kyoto; Use of large diameter (5 in.) and ultralarge diameter (12 in.) flex hose for fire fighting and water restoration; and Cost-effectiveness of various FFE mitigation strategies, with a detailed benefit-cost model. Water utility engineers, fire fighting professionals, and emergency response planners will benefit from reading this book.

The book describes the drainage basin as a system unit resulting from the interaction between runoff and topography - a lengthy process of evolution that occurs according to well-defined laws. It aims not to quantify the agents which created the present forms, but to analyse the forms themselves in order to establish the laws according to which they develop, and to define a series of inter-relationships between morphometrical parameters and river discharge.

The City is an immense metropolis of crystal spires and wondrous magic. Beneath is the Dungeon, a vast underground world and a source of endless treasure, guarded by grotesque and deadly monsters. No one knows where the Dungeon came from, or why. Any who would dare face the dangers and riches of the Dungeon must first be transformed into a delver, a quasi-immortal creature whose every attribute is defined by numbers. Yet the "immortality" offered is but illusory, for without consuming the crystal found only within the Dungeon, a delver will inevitably die. One young immigrant braves the Dungeon to earn money for his impoverished family, only to find much, much more. Friends, power, and secrets of the Dungeon. Perhaps even love.

Get a firm grip on the core processes including browser automation, web scraping, Word, Excel, and GUI automation with Python 3.8 and higher Key Features Automate integral business processes such as report generation, email marketing, and lead generation Explore automated code testing and Python's growth in data science and AI automation in three new chapters Understand techniques to extract information and generate appealing graphs, and reports with Matplotlib Book Description In this updated and extended version of Python Automation Cookbook, each chapter now comprises the newest recipes and is revised to align with Python 3.8 and higher. The book includes three new chapters that focus on using Python for test automation, machine learning projects, and for working with messy data. This edition will enable you to develop a sharp understanding of the fundamentals required to automate business processes through real-world tasks, such as developing your first web scraping application, analyzing information to generate spreadsheet reports with graphs, and communicating with automatically generated emails. Once you grasp the basics, you will acquire the practical knowledge to create stunning graphs and charts using Matplotlib, generate rich graphics with relevant information, automate marketing campaigns, build machine learning projects, and execute debugging techniques. By the end of this book, you will be proficient in identifying monotonous tasks and resolving process inefficiencies to produce superior and reliable systems. What you will learn Learn data wrangling with Python and Pandas for your data science and AI projects Automate tasks such as text classification, email filtering, and web scraping with Python Use Matplotlib to generate a variety of stunning graphs, charts, and maps Automate a range of report generation tasks, from sending SMS and email campaigns to creating templates, adding images in Word, and even encrypting PDFs Master web scraping and web crawling of popular file formats and directories with tools like Beautiful Soup Build cool projects such as a Telegram bot for your marketing campaign, a reader from a news RSS feed, and a machine learning model to classify emails to the correct department based on their content Create fire-and-forget automation tasks by writing cron jobs, log files, and regexes with Python scripting Who this book is for Python Automation Cookbook - Second Edition is for developers, data enthusiasts or anyone who wants to automate monotonous manual tasks related to business processes such as finance, sales, and HR, among others. Working knowledge of Python is all you need to get started with this book. IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

Become an ace Python programmer by learning best coding practices and advance-level concepts with Python 3.5 About This Book Based on the latest stable version of Python (version 3.5) Creating well manageable code that will run in various environments with different sets of dependencies Packed with advanced concepts and best practices to write efficient Python code Who This Book Is For The book would appeal to web developers and Python programmers who want to start using version 3.5 and write code efficiently. Basic knowledge of Python programming is expected. What You Will Learn Conventions and best practices that are widely adopted in the python community Package python code effectively for community and production use Easy and lightweight ways to automate code deployment on remote systems Improve your code's quality, reliability, and performance Write concurrent code in python Extend python with code written in different languages In Detail Python is a dynamic programming language, used in a wide range of domains by programmers who find it simple, yet powerful. Even if you find writing Python code easy, writing code that is efficient and easy to maintain and reuse is a challenge. The focus of the book is to familiarize you with common conventions, best practices, useful tools and standards used by python professionals on a daily basis when working with code. You will begin with knowing new features in Python 3.5 and quick tricks for improving productivity. Next, you will learn advanced and useful python syntax elements brought to this new version. Using advanced object-oriented concepts and mechanisms available in python, you will learn different approaches to implement metaprogramming. You will learn to choose good names, write packages, and create standalone executables easily. You will also be using some powerful tools such as buildout and virtualenv to release and deploy the code on remote servers for production use. Moving on, you will learn to effectively create Python extensions with C, C++, cython, and pyrex. The important factors while writing code such as code management tools, writing clear documentation, and test-driven development are also covered. You will now dive deeper to make your code efficient with general rules of optimization, strategies for finding bottlenecks, and selected tools for application optimization. By the end of the book, you will be an expert in writing efficient and maintainable code. Style and approach An easy-to-follow guide that covers industry followed best practices in Python programming Pesticides play an important role in controlling pests that carry diseases and threaten crop production. In recent years, however, there has been increased concern about the adverse impacts of pesticides and their degradation products on public health and the environment. A considerable amount of work is being done to develop nonchemical methods of

Women, Gender and Disaster: Global Issues and Initiatives examines gender within the context of disaster risk management. It argues for gender mainstreaming as an effective strategy towards achieving disaster risk reduction and mitigating post-disaster gender disparity. Highlighting that gender inequalities pervade all aspects of life, it analyses the failure to implement inclusive and gender-sensitive approaches to relief and rehabilitation work. While examining positive strategies for change, the collection focuses on women's knowledge, capabilities, leadership and experience in community resource management. The authors emphasize that these strengths in women, which are required for building resilience to hazards and disasters, are frequently overlooked. This timely book will be extremely useful to policy makers and professionals active in the field of disaster management and to academics and students in gender studies, social work, environmental studies

and development studies.

The main thesis of this study is that the world economy is undergoing a profound structural change that is forcing companies to reorganize their production on a global scale. This is being brought about both through the relocation of production to new industrial sites, increasingly in the developing countries, and through the accelerated rationalisation measures at the traditional sites of industrial manufacture. The authors have designated this structural movement as 'the new international division of labour', and argue that it has led to the crisis that can be observed in industrial countries, as well as to the first steps towards export-oriented manufacturing in the developing countries. They see these trends as being largely independent of the policies pursued by individual governments and the strategies for expansion adopted by individual firms, and argue that the conditions currently prevailing in the capitalist world economy mean that the efforts of individual countries to devise economic policies to reduce industrial unemployment in the industrialised countries or to accentuate a balanced process of industrialisation in the developing countries are doomed to failure.

"This report concludes that steps must be taken to meet the urgent need for sustainable practices in world agriculture if the demands of an expanding world population are to be met without destroying the environment or natural resource base. In particular, GM technology, coupled with important developments in other areas, should be used to increase the production of main food staples, improve the efficiency of production, reduce the environmental impact of agriculture, and provide access to food for small-scale farmers. However, concerted, organized efforts must be undertaken to investigate the potential health and environmental effects both positive and negative of GM technologies in their specific applications. These must be assessed against the background of effects from conventional agricultural technologies that are currently in use."--Publisher's website.

In the examination of gender as a driving force in disasters, too little attention has been paid to how women's or men's disaster experiences relate to the wider context of gender inequality, or how gender-just practice can help prevent disasters or address climate change at a structural level. With a foreword from Kenneth Hewitt, an afterword from Raewyn Connell and contributions from renowned international experts, this book helps address the gap. It explores disasters in diverse environmental, hazard, political and cultural contexts through original research and theoretical reflection, building on the under-utilized orientation of critical men's studies. This body of thought, not previously applied in disaster contexts, explores how men gain, maintain and use power to assert control over women. Contributing authors examine the gender terrain of disasters 'through men's eyes,' considering how diverse forms of masculinities shape men's efforts to respond to and recover from disasters and other climate challenges. The book highlights both the high costs paid by many men in disasters and the consequences of dominant masculinity practices for women and marginalized men. It concludes by examining how disaster risk can be reduced through men's diverse efforts to challenge hierarchies around gender, sexuality, disability, age and culture.

This volume collects the proceedings of the final conference of the European project EAGLE (Europeana network of Ancient Greek and Latin Epigraphy), held at the Sapienza University of Rome on January 28-30th 2016.

Carbon Dioxide Capture and Storage Special Report of the Intergovernmental Panel on Climate Change Cambridge University Press

An authoritative, well-established, comprehensive, practical, and highly illustrated guide to construction practice Based mainly on domestic and residential buildings—and filled with extensive illustrations throughout—this concise text is the ideal introduction to the subject of building construction. It provides the basic material that readers need in order to understand the construction process for the majority of low rise buildings. The book explains construction technology through the key functional and performance requirements for the main elements common to all buildings. With a strong focus on building efficiency and meeting the challenges posed by limiting the environmental impact of buildings, and new “at a glance” summaries allowing you to grasp the salient points of each chapter, readers will find the text fully up to date with the latest building regulations and construction technology. Barry's Introduction to Construction of Buildings, Fourth Edition starts by taking an in-depth look at the construction process and general principles of construction. It then offers comprehensive chapter coverage of site analysis, set-up, drainage and scaffolding; ground stability and foundations; floors, walls, doors, windows, roofs, stairs, and ramps; surface finishes; internal environment and energy supply; and water supply and sanitation. Deals with design, technology, site assembly, and environmental issues of domestic and residential buildings Thoroughly updated, with particular attention paid to the concept of building efficiency and improved integration of the topics covered to match current student needs New “at a glance” summaries at the beginning of each chapter A companion to Barry's Advanced Construction of Buildings, Fourth Edition Barry's Introduction to Construction of Buildings is an excellent source of information for undergraduate students and those working towards similar NQF level 5 and 6 qualifications in building and construction.

This is an introduction to wave and tidally dominated landforms, including beaches, cliffs, dunes, estuaries, mudflats and salt-marshes. Working from basic principles the author discusses the physical mechanisms by which this wide variety of landforms is produced and maintained.

Mises' classic avoids the formidable mathematical structure of fluid dynamics, while conveying — by often unorthodox methods — a full understanding of the physical phenomena and mathematical concepts of aeronautical engineering.

Presents an introduction to environmental geology.

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