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Ham and Shortwave Radio for the Electronics Hobbyist
Prentice Hall

"... an original, quirky, and illuminating collection of material concerning the relatively new and exciting field of technoscience studies.... T]he editors' choice of multiple approaches to the work of four major figures is wholly suited to clarifying their unorthodox and consequently somewhat elusive philosophical positions." --Robert Scharff
Although often absent from the considerations of philosophers, sociologists, and anthropologists, the

material dimension plays an important and even essential role in the practices of the sciences. Chasing Technoscience: Matrix for Materiality begins to redress this absence by bringing together four prominent figures who make technoscience, or science embodied in its technologies, a central theme of their work. Through lively personal interviews and substantive essays, the ideas of Andrew Pickering, Don Ihde, Donna Haraway, and Bruno Latour are brought to bear on the question of materiality in technoscience. The work of these theorists is then compared and critiqued in essays by colleagues. Chasing Technoscience is a ground-breaking, state-of-the-art look at current developments in technoscience.

The Analysis and Design of

Linear Circuits Harvard University Press
Circuits overloaded from electric circuit analysis? Many universities require that students pursuing a degree in electrical or computer engineering take an Electric Circuit Analysis course to determine who will "make the cut" and continue in the degree program. Circuit Analysis For Dummies will help these students to better understand electric circuit analysis by presenting the information in an effective and straightforward manner. Circuit Analysis For Dummies gives you clear-cut information about the topics covered in an electric circuit analysis courses to help further your understanding of the subject. By covering topics such as resistive circuits, Kirchhoff's laws, equivalent sub-circuits, and energy storage, this book distinguishes itself as the perfect aid for any student

taking a circuit analysis course. Tracks to a typical electric circuit analysis course Serves as an excellent supplement to your circuit analysis text Helps you score high on exam day Whether you're pursuing a degree in electrical or computer engineering or are simply interested in circuit analysis, you can enhance your knowledge of the subject with *Circuit Analysis For Dummies*. *Thinking Like a Lawyer* Pearson Educacion A transistor-level, design-intensive overview of high speed and high frequency monolithic integrated circuits for wireless and broadband systems from 2 GHz to 200 GHz, this comprehensive text covers high-speed, RF, mm-wave, and optical fibre circuits using nanoscale CMOS, SiGe BiCMOS, and III-V technologies. Step-by-step design methodologies, end-of chapter problems, and practical simulation and design projects are provided, making this an ideal resource for senior undergraduate and graduate courses in circuit design. With an emphasis on device-circuit topology interaction and optimization, it gives

circuit designers and students alike an in-depth understanding of device structures and process limitations affecting circuit performance. Basic Electric Circuit Theory Taylor & Francis A textbook for students with limited background in mathematics and computer coding, emphasizing computer tutorials that guide readers in producing models of neural behavior. This introductory text teaches students to understand, simulate, and analyze the complex behaviors of individual neurons and brain circuits. It is built around computer tutorials that guide students in producing models of neural behavior, with the associated Matlab code freely available online. From these models students learn how individual neurons function and how, when connected, neurons cooperate in a circuit. The book demonstrates through simulated models how oscillations, multistability, post-stimulus rebounds, and chaos can arise within either single neurons or circuits, and it explores their roles in the brain. The book first presents essential background in neuroscience, physics, mathematics, and Matlab, with explanations illustrated by many example problems. Subsequent chapters cover the neuron and spike production; single spike trains and the underlying cognitive processes; conductance-based models; the

simulation of synaptic connections; firing-rate models of large-scale circuit operation; dynamical systems and their components; synaptic plasticity; and techniques for analysis of neuron population datasets, including principal components analysis, hidden Markov modeling, and Bayesian decoding. Accessible to undergraduates in life sciences with limited background in mathematics and computer coding, the book can be used in a "flipped" or "inverted" teaching approach, with class time devoted to hands-on work on the computer tutorials. It can also be a resource for graduate students in the life sciences who wish to gain computing skills and a deeper knowledge of neural function and neural circuits.

College Physics Univ of California Press

Learn Linear Circuits by Actually Designing Them! With more examples, problems, applications, and tools, the Third Edition of Thomas and Rosa's *The Analysis and Design of Linear Circuits* presents an effective learn-by-doing approach to linear circuits. The authors not only discuss Laplace transforms, new passive and active elements, time-varying circuits, and fundamental analysis and design concepts, they also provide valuable skill-building exercises and tools. Here's how Thomas and Rosa's learn-by-doing approach works: * Apply concepts to practical problems. Throughout the text, the authors maintain a steady focus circuit design and include a greatly

revised set of design examples, exercises, and homework problems. * Master the most modern software tools. The new edition now covers five of today's most widely used programs: Excel(r), Matlab(r), Electronics Workbench(r), and PSpice(r). * Explore real-world applications. The Third Edition now features many new real-world applications that are especially relevant to computer engineering, instrumentation, electronics, and signals. * Build circuits you can use. The text's early coverage of the Ideal Op-Amp will help readers design practical interface circuits, instrumentation systems, and cascade filters. * Evaluate competing designs. Thomas and Rosa show how to evaluate and select the best design from several correct approaches. * Develop circuit analysis and design skills. The text provides many opportunities to apply Laplace and related tools such as pole-zero diagrams, Bode diagrams, and Fourier series. This constant exposure to analysis and design tools will build practical skills.

Bioinformatics For Dummies
Bloomsbury Publishing USA
Ideal for a one-semester course, this concise textbook covers basic electronics for undergraduate students in science and engineering. Beginning with the basics of general circuit laws and resistor circuits to ease students into the subject, the textbook then covers a wide range of topics, from passive circuits through to semiconductor-based analog

circuits and basic digital circuits. Using a balance of thorough analysis and insight, readers are shown how to work with electronic circuits and apply the techniques they have learnt. The textbook's structure makes it useful as a self-study introduction to the subject. All mathematics is kept to a suitable level, and there are several exercises throughout the book. Password-protected solutions for instructors, together with eight laboratory exercises that parallel the text, are available online at www.cambridge.org/Eggleston.

Gather the Daughters
Stanford University Press
An investigation of the embodied engagement between the playing body and the videogame: how player and game incorporate each other. Our bodies engage with videogames in complex and fascinating ways. Through an entanglement of eyes-on-screens, ears-at-speakers, and muscles-against-interfaces, we experience games with our senses. But, as Brendan Keogh argues in *A Play of Bodies*, this corporal engagement goes both ways; as we touch the videogame, it touches back, augmenting the very senses

with which we perceive. Keogh investigates this merging of actual and virtual bodies and worlds, asking how our embodied sense of perception constitutes, and becomes constituted by, the phenomenon of videogame play. In short, how do we perceive videogames? Keogh works toward formulating a phenomenology of videogame experience, focusing on what happens in the embodied engagement between the playing body and the videogame, and anchoring his analysis in an eclectic series of games that range from mainstream to niche titles. Considering smartphone videogames, he proposes a notion of co-attentiveness to understand how players can feel present in a virtual world without forgetting that they are touching a screen in the actual world. He discusses the somatic basis of videogame play, whether games involve vigorous physical movement or quietly sitting on a couch with a controller; the sometimes overlooked visual and audible pleasures of videogame experience; and modes of temporality represented by character death, failure, and repetition. Finally, he considers two

metaphorical characters: the “hacker,” representing the hegemonic, masculine gamers concerned with control and configuration; and the “cyborg,” less concerned with control than with embodiment and incorporation.

The Viral Underclass Cambridge University Press

Never Let Me Go meets The Giver in this haunting debut about a cult on an isolated island, where nothing is as it seems. Years ago, just before the country was incinerated to wasteland, ten men and their families colonized an island off the coast. They built a radical society of ancestor worship, controlled breeding, and the strict rationing of knowledge and history. Only the Wanderers -- chosen male descendants of the original ten -- are allowed to cross to the wastelands, where they scavenge for detritus among the still-smoldering fires. The daughters of these men are wives-in-training. At the first sign of puberty, they face their Summer of Fruition, a ritualistic season that drags them from adolescence to matrimony. They have children, who have children, and when they are no longer useful, they take their final draught and die. But in the summer, the younger children reign supreme. With the adults indoors and the pubescent in Fruition, the children live wildly -- they fight over food and shelter, free of their fathers' hands and their mothers' despair. And it is at the end of one summer that little Caitlin Jacob sees something so horrifying, so contradictory to the

laws of the island, that she must share it with the others. Born leader Janey Solomon steps up to seek the truth. At seventeen years old, Janey is so unwilling to become a woman, she is slowly starving herself to death. Trying urgently now to unravel the mysteries of the island and what lies beyond, before her own demise, she attempts to lead an uprising of the girls that may be their undoing. Gather the Daughters is a smoldering debut; dark and energetic, compulsively readable, Melamed's novel announces her as an unforgettable new voice in fiction.

Modern Control Engineering

Pearson Education India

Poised on the edge of the United States and at the center of a wider Caribbean world, today's Miami is marketed as an international tourist hub that embraces gender and sexual difference. As Julio Capo Jr. shows in this fascinating history, Miami's transnational connections reveal that the city has been a queer borderland for over a century. In chronicling Miami's queer past from its 1896 founding through 1940, Capo shows the multifaceted ways gender and sexual renegades made the city their own. Drawing from a multilingual archive, Capo unearths the forgotten history of "fairyland," a marketing term crafted by boosters that held multiple meanings for different groups of people. In viewing Miami as a contested colonial space, he turns our attention to migrants and immigrants, tourism, and trade to and from the Caribbean--particularly the Bahamas, Cuba, and Haiti--to expand the geographic and

methodological parameters of urban and queer history.

Recovering the world of Miami's old saloons, brothels, immigration checkpoints, borders, nightclubs, bars, and cruising sites, Capo makes clear how critical gender and sexual transgression is to understanding the city and the broader region in all its fullness.

High-Frequency Integrated Circuits

Hachette+ORM

LONGLISTED FOR THE 2023 PEN/JOHN KENNETH GALBRAITH AWARD FOR NONFICTION

LONGLISTED FOR THE 2023 ANDREW CARNEGIE MEDALS FOR EXCELLENCE

WINNER OF THE 2022 POZ AWARD FOR BEST IN LITERATURE "An irresistibly readable and humane exploration of the barbarities of class...readers are gifted that most precious of things in these muddled times: a clear lens through which to see the world."

—Naomi Klein, New York Times bestselling author of *This Changes Everything* and *The Shock Doctrine*
From preeminent LGBTQ scholar, social critic, and journalist Steven W.

Thrasher comes a powerful and crucial exploration of one of the most pressing issues of our times: how

viruses expose the fault lines of society. Having spent a ground-breaking career studying the racialization, policing, and criminalization of HIV, Dr. Thrasher has come to understand a deeper truth at the heart of our society: that there are vast inequalities in who is able to survive viruses and that the ways in which viruses spread, kill, and take their toll are much more dependent on social structures than they are on biology alone. Told through the heart-rending stories of friends, activists, and teachers navigating the novel coronavirus, HIV, and other viruses, Dr. Thrasher brings the reader with him as he delves into the viral underclass and lays bare its inner workings. In the tradition of Isabel Wilkerson's *Caste* and Michelle Alexander's *The New Jim Crow*, *The Viral Underclass* helps us understand the world more deeply by showing the fraught relationship between privilege and survival.

Welcome to Fairyland Indiana University Press

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Get up and running as a

ham radio operator—or just listen in on the shortwave bands! *Ham and Shortwave Radio* for the Electronics Hobbyist shows you, step by step, how to set up and operate your own ham radio station. It's also perfect for those interested in shortwave listening, without getting a ham radio license. This practical guide covers communications modes, assigned frequency ranges in the United States, details on fixed, mobile, and portable ham stations, antennas, and much more. Ham radio will work even when the Internet and other utilities fail. So get on the air and keep the lines of communication open in any situation! Inside, you'll find out all about: Radio waves and how they travel Shortwave and allwave listening Communications modes for ham radio operators, including using the Internet as a supplement Ham radio licenses and assigned frequency ranges (bands) used in the United States Wave-propagation characteristics and tips on the bands best suited for use at different times of the day, year, and sunspot cycle Selecting and installing equipment for fixed ham radio stations Setting up mobile and portable ham radio stations Antennas and transmission lines for various frequencies and station types How to operate your station using popular voice and digital modes Schematic symbols and Q signals for ham radio operators

Electrical Machines, Drives, and Power Systems Harvard University Press

The Acclaimed RF

Microelectronics Best-Seller, Expanded and Updated for

the Newest Architectures, Circuits, and Devices

Wireless communication has become almost as ubiquitous as electricity, but RF design continues to challenge engineers and researchers. In the 15 years since the first edition of this classic text, the demand for higher performance has led to an explosive growth of RF design techniques. In *RF Microelectronics, Second Edition*, Behzad Razavi systematically teaches the fundamentals as well as the state-of-the-art developments in the analysis and design of RF circuits and transceivers. Razavi has written the second edition to reflect today's RF microelectronics, covering key topics in far greater detail. At nearly three times the length of the first edition, the second edition is an indispensable tome for both students and practicing engineers. With his lucid prose, Razavi now *Offers a stronger tutorial focus along with hundreds of examples and problems* Teaches design as well as analysis with the aid of step-by-step design procedures and a chapter dedicated to the design of a dual-band WiFi transceiver* Describes new design paradigms and analysis techniques for

circuits such as low-noise amplifiers, mixers, oscillators, and frequency dividers This edition's extensive coverage includes brand new chapters on mixers, passive devices, integer-N synthesizers, and fractional-N synthesizers. Razavi's teachings culminate in a new chapter that begins with WiFi's radio specifications and, step by step, designs the transceiver at the transistor level. Coverage includes *Core RF principles, including noise and nonlinearity, with ties to analog design, microwave theory, and communication systems *An intuitive treatment of modulation theory and wireless standards from the standpoint of the RF IC designer*Transceiver architectures such as heterodyne, sliding-IF, directconversion, image-reject, and low-IF topologies.*Low-noise amplifiers, including cascode common-gate and commonsource topologies, noise-cancelling schemes, and reactance-cancelling configurations*Passive and active mixers, including their gain and noise analysis and new mixer topologies *Voltage-controlled oscillators, phase noise mechanisms, and various

VCO topologies dealing with noise-power-tuning trade-offs*All-new coverage of passive devices, such as integrated inductors, MOS varactors, and transformers*A chapter on the analysis and design of phase-locked loops with emphasis on low phase noise and low spur levels*Two chapters on integer-N and fractional-N synthesizers, including the design of frequency dividers*Power amplifier principles and circuit topologies along with transmitter architectures, such as polar modulation and outphasing
Chasing Technoscience MIT Press
Drawing on economic and political theory, legal analysis, and his own extensive judicial experience, Posner sketches the history of the federal courts, describes the contemporary institution, appraises concerns that have been expressed with their performance, and presents a variety of proposals for both short-term and fundamental reform.
Electromechanical Motion Devices MIT Press
An accessible introduction to an exciting new area in computation, explaining such topics as qubits, entanglement, and quantum teleportation for the general reader. Quantum computing is a beautiful fusion of quantum physics and computer science, incorporating some of the most

stunning ideas from twentieth-century physics into an entirely new way of thinking about computation. In this book, Chris Bernhardt offers an introduction to quantum computing that is accessible to anyone who is comfortable with high school mathematics. He explains qubits, entanglement, quantum teleportation, quantum algorithms, and other quantum-related topics as clearly as possible for the general reader. Bernhardt, a mathematician himself, simplifies the mathematics as much as he can and provides elementary examples that illustrate both how the math works and what it means. Bernhardt introduces the basic unit of quantum computing, the qubit, and explains how the qubit can be measured; discusses entanglement—which, he says, is easier to describe mathematically than verbally—and what it means when two qubits are entangled (citing Einstein's characterization of what happens when the measurement of one entangled qubit affects the second as “spooky action at a distance”); and introduces quantum cryptography. He recaps standard topics in classical computing—bits, gates, and logic—and describes Edward Fredkin's ingenious billiard ball computer. He defines quantum gates, considers the speed of quantum

algorithms, and describes the building of quantum computers. By the end of the book, readers understand that quantum computing and classical computing are not two distinct disciplines, and that quantum computing is the fundamental form of computing. The basic unit of computation is the qubit, not the bit.

Understanding Capital UNC Press Books

A challenge to the myths of modern astronomy based on stunning and extensive evidence that it is electricity that powers the universe. Science for the expert written for the public.

Electrical Circuit Analysis MIT Press

What effects do laws have? Do individuals drive more cautiously, clear ice from sidewalks more diligently, and commit fewer crimes because of the threat of legal sanctions? Do corporations pollute less, market safer products, and obey contracts to avoid suit? And given the effects of laws, which are socially best? Such questions about the influence and desirability of laws have been investigated by legal scholars and economists in a new, rigorous, and systematic manner since the 1970s. Their approach, which is called economic, is widely considered to be intellectually compelling and to have revolutionized thinking about the law. In this book Steven Shavell provides an in-depth analysis and synthesis of the economic

approach to the building blocks of our legal system, namely, property law, tort law, contract law, and criminal law. He also examines the litigation process as well as welfare economics and morality. Aimed at a broad audience, this book requires neither a legal background nor technical economics or mathematics to understand it. Because of its breadth, analytical clarity, and general accessibility, it is likely to serve as a definitive work in the economic analysis of law.

The Electric Sky CRC Press
This primer on legal reasoning is aimed at law students and upper-level undergraduates. But it is also an original exposition of basic legal concepts that scholars and lawyers will find stimulating. It covers such topics as rules, precedent, authority, analogical reasoning, the common law, statutory interpretation, legal realism, judicial opinions, legal facts, and burden of proof.

Basic Electronics for Scientists and Engineers Cambridge University Press

Designed for students in electrical power technology programs or higher-level, non-electrical majors, this text explores the "need to know" material, and covers the basic principles of transformers and rotating machines, transmission and distribution systems, and power electronics associated with these fields.

The Man Who Saw Everything McGraw-Hill Education TAB
Longlisted for the Booker

Prize Named a Best Book of the Year By: The New York Times Book Review (Notable Books of the Year) * The New York Public Library * The Washington Post * Time.com * The New York Times Critics' (Parul Seghal's Top Books of the Year) * St. Louis Post Dispatch * Apple * Publisher's Weekly
An electrifying novel about beauty, envy, and carelessness from Deborah Levy, author of the Booker Prize finalists *Hot Milk* and *Swimming Home*. It is 1988 and Saul Adler, a narcissistic young historian, has been invited to Communist East Berlin to do research; in exchange, he must publish a favorable essay about the German Democratic Republic. As a gift for his translator's sister, a Beatles fanatic who will be his host, Saul's girlfriend will shoot a photograph of him standing in the crosswalk on Abbey Road, an homage to the famous album cover. As he waits for her to arrive, he is grazed by an oncoming car, which changes the trajectory of his life. *The Man Who Saw Everything* is about the difficulty of seeing ourselves and others clearly. It greets the specters that come back to haunt old and new love, previous and current incarnations of Europe, conscious and unconscious transgressions, and real and imagined betrayals, while investigating the cyclic nature

of history and its reinvention by people in power. Here, Levy traverses the vast reaches of the human imagination while artfully blurring sexual and political binaries-feminine and masculine, East and West, past and present--to reveal the full spectrum of our world.

A Play of Bodies John Wiley & Sons

This is the only book on the market that has been conceived and deliberately written as a one-semester text on basic electric circuit theory. As such, this book employs a novel approach to the exposition of the material in which phasors and ac steady-state analysis are introduced at the beginning. This allows one to use phasors in the discussion of transients excited by ac sources, which makes the presentation of transients more comprehensive and meaningful. Furthermore, the machinery of phasors paves the road to the introduction of transfer functions, which are then used in the analysis of transients and the discussion of Bode plots and filters. Another salient feature of the text is the consolidation into one chapter of the material concerned with dependent sources and operational amplifiers. Dependent sources are introduced as linear models for transistors on the basis of small signal analysis. In the text, PSpice simulations are prominently featured to reinforce the basic material and

understanding of circuit analysis. Key Features*
Designed as a comprehensive one-semester text in basic circuit theory* Features early introduction of phasors and ac steady-state analysis* Covers the application of phasors and ac steady-state analysis* Consolidates the material on dependent sources and operational amplifiers* Places emphasis on connections between circuit theory and other areas in electrical engineering* Includes PSpice tutorials and examples* Introduces the design of active filters* Includes problems at the end of every chapter* Priced well below similar books designed for year-long courses