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Domestic Violence Offenders Economic Anthropology Learning Without Limits *The Hydrated Electron* **The Other 80 Percent** *A Reader on Regulation* Implementing Six Sigma **Fundamentals of Power Electronics** Making Young Voters *Historical Painting Techniques, Materials, and Studio Practice* **Shock Formation in Small-Data Solutions to 3D Quasilinear Wave Equations** Science **Ruth Bader Ginsburg** *Next Generation Business Strategies for the Base of the Pyramid*

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This book shares proven, “on-the-ground” insights for building “Base of the Pyramid” businesses that really are sustainable and green, will help alleviate social ills, and can scale to significant size and profitability. Its “second-generation” techniques reflect crucial lessons learned by “BoP” pioneers: lessons that dramatically increase the likelihood of success. Regulation has become a key form of state activity and an area of burgeoning academic concern, both in Public Law and Economics. This collection makes available to the reader a number of indispensable readings. The text considers the central topics of regulation and looks to theory as well as practice, enforcement as well as rule-making, and supra-national as well as domestic concerns. Particular attention is paid to the ways that regulatory developments can be explained, the choices of technique that confront regulators and the varieties of regulatory style that are encountered within and between different regimes. The introductory essay considers the maturation of regulation both as a practice and as a discipline. it examines regulation as a topic for study, reviews major developments in regulation and outlines central themes. This book is intended as a resource for upper-level

undergraduate students and teachers of regulation as part of degree courses in law, economics, business, public policy and politics, but also for those involved in or subject to regulation on a daily basis. The operational amplifier ("op amp") is the most versatile and widely used type of analog IC, used in audio and voltage amplifiers, signal conditioners, signal converters, oscillators, and analog computing systems. Almost every electronic device uses at least one op amp. This book is Texas Instruments' complete professional-level tutorial and reference to operational amplifier theory and applications. Among the topics covered are basic op amp physics (including reviews of current and voltage division, Thevenin's theorem, and transistor models), idealized op amp operation and configuration, feedback theory and methods, single and dual supply operation, understanding op amp parameters, minimizing noise in op amp circuits, and practical applications such as instrumentation amplifiers, signal conditioning, oscillators, active filters, load and level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and output isolation, using decoupling capacitors, and frequency characteristics of passive components. The material in this book is applicable to all op amp ICs from all manufacturers, not just TI. Unlike textbook treatments of op amp theory that tend to focus on idealized op amp models and configuration, this title uses idealized models only when necessary to explain op amp theory. The bulk of this book is on real-world op amps and their applications;

considerations such as thermal effects, circuit noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail. *Published in conjunction with Texas Instruments *A single volume, professional-level guide to op amp theory and applications *Covers circuit board layout techniques for manufacturing op amp circuits. In Ishmael, Daniel Quinn offered new ways of seeing and understanding human history, and our collective future. His message was transformative for millions of people, and Ishmael continues to attract tens of thousands of new readers each year. Subsequent works, such as *The Story of B* and *My Ishmael*, expanded upon his insights and teachings, but only now does he finally tackle the one question he has been asked hundreds of times but has never taken on: "How do you do what you do?" In *If They Give You Lined Paper, Write Sideways* Quinn elucidates for readers the methods behind his own thought processes, challenging and ultimately empowering them to view the world for themselves in creative, perhaps even revolutionary ways. *If They Give You Lines Paper, Write Sideways* also includes Quinn's never-before-published essays "The New Renaissance" and "Our Religions." There is a scientific consensus that global warming is approaching a tipping point beyond no return faster than had previously been predicted. Quinn has long portrayed humans as "a species of beings, which, while supposedly rational, are destroying the very planet they live on." So what are we to do? There has never been a plan for the future - and there never will be. But something

extraordinary will happen in the next two or three decades; the people of our culture will learn to live sustainably - or not. Either way, it will be extraordinary. The sooner we understand this reality, the greater the chances that human society will transform itself so that the human race might have a future. From the Trade Paperback edition. The pace of modern life is undoubtedly speeding up, yet this acceleration does not seem to have made us any happier or more content. If acceleration is the problem, then the solution, argues Hartmut Rosa in this major new work, lies in “resonance.” The quality of a human life cannot be measured simply in terms of resources, options, and moments of happiness; instead, we must consider our relationship to, or resonance with, the world. Applying his theory of resonance to many domains of human activity, Rosa describes the full spectrum of ways in which we establish our relationship to the world, from the act of breathing to the adoption of culturally distinct worldviews. He then turns to the realms of concrete experience and action – family and politics, work and sports, religion and art – in which we as late modern subjects seek out resonance. This task is proving ever more difficult as modernity’s logic of escalation is both cause and consequence of a distorted relationship to the world, at individual and collective levels. As Rosa shows, all the great crises of modern society – the environmental crisis, the crisis of democracy, the psychological crisis – can also be understood and analyzed in terms of resonance and our broken relationship to the world around us. Building on his now classic work on acceleration, Rosa’s new book is a

major new contribution to the theory of modernity, showing how our problematic relation to the world is at the crux of some of the most pressing issues we face today. This bold renewal of critical theory for our times will be of great interest to students and scholars across the social sciences and humanities. Every fifteen seconds someone commits a crime of domestic violence in the United States, and most violators will be court-mandated to receive group treatment. Outcome studies of traditional treatment programs (those with confrontational or educational approaches) indicate high rates of dropping out and low effectiveness, lending urgency to the need to find an alternative method. This book describes a cutting-edge treatment approach that creates effective, positive changes in domestic violence offenders. Solution-focused therapy focuses on holding offenders accountable and responsible for building solutions, rather than emphasizing their problems and deficits. By focusing on "solution-talk" instead of "problem-talk," clients are assisted in developing useful goals and solution behaviors that are then amplified, supported, and reinforced through a solution-building process. The book will be of great interest to professionals and graduate students in social work, psychology, and counseling. This book is a new introduction to the history and practice of economic anthropology by two leading authors in the field. They show that anthropologists have contributed to understanding the three great questions of modern economic history: development, socialism and one-world capitalism. In doing so, they connect economic anthropology to its roots in Western

philosophy, social theory and world history. Up to the Second World War anthropologists tried and failed to interest economists in their exotic findings. They then launched a vigorous debate over whether an approach taken from economics was appropriate to the study of non-industrial economies. Since the 1970s, they have developed a critique of capitalism based on studying it at home as well as abroad. The authors aim to rejuvenate economic anthropology as a humanistic project at a time when the global financial crisis has undermined confidence in free market economics. They argue for the continued relevance of predecessors such as Marcel Mauss and Karl Polanyi, while offering an incisive review of recent work in this field. Economic Anthropology is an excellent introduction for social science students at all levels, and it presents general readers with a challenging perspective on the world economy today. Selected by Choice as a 2013 Outstanding Academic Title

Environmental Engineering: Fundamentals, Sustainability, Design presents civil engineers with an introduction to chemistry and biology, through a mass and energy balance approach. ABET required topics of emerging importance, such as sustainable and global engineering are also covered. Problems, similar to those on the FE and PE exams, are integrated at the end of each chapter. Aligned with the National Academy of Engineering's focus on managing carbon and nitrogen, the 2nd edition now includes a section on advanced technologies to more effectively reclaim nitrogen and phosphorous. Additionally, readers have immediate access to web modules, which address a specific topic, such as water and

wastewater treatment. These modules include media rich content such as animations, audio, video and interactive problem solving, as well as links to explorations. Civil engineers will gain a global perspective, developing into innovative leaders in sustainable development. This book explores ways of teaching that are free from determinist beliefs about ability. In a detailed critique of the practices of ability labelling and ability-focussed teaching, Learning without Limits examines the damage these practices can do to young people, teachers and the curriculum. Drawing on a research project at the University of Cambridge, the book features nine vivid case studies (from Year 1 to Year 11) that describe how teachers have developed alternative practices despite considerable pressure on them and on their schools and classrooms. Principles of Electrical Engineering Materials and Devices has been developed to bridge the gap between traditional electronic circuits texts and semiconductor texts Understanding how the brain learns helps teachers do their jobs more effectively. Primary researchers share the latest findings on the learning process and address their implications for educational theory and practice. Explore applications, examples, and suggestions for further thought and research; numerous charts and diagrams; strategies for all subject areas; and new ways of thinking about intelligence, academic ability, and learning disability. Fundamentals of Power Electronics, Second Edition, is an up-to-date and authoritative text and reference book on power electronics. This new edition retains the original objective and philosophy of focusing on the fundamental principles, models, and

technical requirements needed for designing practical power electronic systems while adding a wealth of new material. Improved features of this new edition include: A new chapter on input filters, showing how to design single and multiple section filters; Major revisions of material on averaged switch modeling, low-harmonic rectifiers, and the chapter on AC modeling of the discontinuous conduction mode; New material on soft switching, active-clamp snubbers, zero-voltage transition full-bridge converter, and auxiliary resonant commutated pole. Also, new sections on design of multiple-winding magnetic and resonant inverter design; Additional appendices on Computer Simulation of Converters using averaged switch modeling, and Middlebrook's Extra Element Theorem, including four tutorial examples; and Expanded treatment of current programmed control with complete results for basic converters, and much more. This edition includes many new examples, illustrations, and exercises to guide students and professionals through the intricacies of power electronics design. Fundamentals of Power Electronics, Second Edition, is intended for use in introductory power electronics courses and related fields for both senior undergraduates and first-year graduate students interested in converter circuits and electronics, control systems, and magnetic and power systems. It will also be an invaluable reference for professionals working in power electronics, power conversion, and analogue and digital electronics. In 1897, people in western United States began seeing airships in the night skies. Despite abundant reports of sightings from California to Michigan, little

explanatory information was given to the public. Speculation arose that the United States government had started a secret flight program or that life from another world had contacted Earth. The implications of each conjecture were staggering, pointing to a major governmental or scientific cover-up that would change the course of history. While this book focuses on the sightings in Texas, it takes into account all of the reports filed. After addressing previous theories of what the airships were and where they came from, *Solving the 1897 Airship Mystery* puts forth a new analysis, using detailed accounts from period newspapers and other documents left behind. By writing in chronological order, Michael Busby traces the course of the flights that led to the mystery. Included are numerous appendixes, figures, and tables that present the information in an easy-to-handle format. The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In *Reinforcement Learning*, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical

material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning. Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art

historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

Power Electronics is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text is written for some flexibility in the order of the topics. Much of the text includes computer simulation using PSpice as a supplement to analytical circuit solution techniques. This book is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text assumes that the student is familiar with general circuit analysis techniques usually taught at the sophomore level. The student should be acquainted with electronic devices such as diodes and transistors, but the emphasis of the text is on circuit topology and function rather than on devices. Results from these fermentations and subsequent analyses indicate that fermenting these waste products is an effective means of bioremediation. The unused portions of these two enormous cash crops can be used to produce commodities such as ethanol and yeast proteins. These commodities are not nearly as valuable as the cash crop that generate these wastes; however, they do hold substantial value. If the value of the waste

products and commodities produced from them can be shown to be substantial enough, this may motivate crop farmers to use these current wastes instead of discarding them.

"Capitalism at the Crossroads is built on strong theoretical underpinnings and illustrated with many practical examples. The author offers a pioneering roadmap to responsible macroeconomics and corporate growth." -Clayton Christensen, Professor of Business Administration, Harvard Business School and author of *The Innovator's Dilemma* "I hope this book will be able to influence the thought processes of corporations and motivate them to adapt to forthcoming business realities for the sake of their own long-term existence. Besides business leaders, this is a thought-provoking book for the readers who are looking for solutions to capitalism's problems." -Muhammad Yunus, Founder and Managing Director, Grameen Bank, Bangladesh and 2007 Nobel Peace Prize recipient "Capitalism at the Crossroads is a practical manifesto for business in the twenty-first century. Professor Stuart L. Hart provides a succinct framework for managers to harmonize concerns for the planet with wealth creation and unambiguously demonstrates the connection between the two. This book represents a turning point in the debate about the emerging role and responsibility of business in society." -C.K. Prahalad, Ross School of Business, University of Michigan, co-author of *Competing for the Future* and author of *The Fortune at the Bottom of the Pyramid* "Stuart Hart was there at the beginning. Years ago when the term 'sustainability' had not yet reached the business schools, Stuart Hart stood as a beacon

glowing in the umbrage. It is clear commerce is the engine of change, design the first signal of human intention, and global capitalism is at the crossroads. Stuart Hart is there again; this time lighting up the intersection." -William McDonough, University of Virginia, co-author of Cradle to Cradle "Professor Hart is on the leading edge of making sustainability an understandable and useful framework for building business value. This book brings together much of his insights developed over the past decade. Through case studies and practical advice, he argues powerfully that unlimited opportunities for profitable business growth will flow to those companies that bring innovative technology and solutions to bear on some of the world's most intractable social and environmental problems." -Chad Holliday, Chairman and CEO, DuPont "Capitalism at the Crossroads clearly reveals the essence of what sustainability means to today's business world. Hart's analysis that businesses must increasingly adopt a business framework based on building sustainable value speaks to the entire sustainability movement's relevance. Sustainability is more than today's competitive edge; it is tomorrow's model for success." -Don Pether, President and CEO, Dofasco Inc. "Stuart Hart has written a book full of big insights painted with bold strokes. He may make you mad. He will certainly make you think." -Jonathan Lash, President, The World Resources Institute "A must-read for every CEO—and every MBA." -John Elkington, Chairman, SustainAbility "This book provides us with a vast array of innovative and practical ideas to accelerate the transformation to global sustainability and the role

businesses and corporations will have to play therein. Stuart Hart manages to contribute in an essential way to the growing intellectual capital that addresses this topic. But, beyond that, the book will also prove to be a pioneer in the literature on corporate strategy by adding this new dimension to the current thinking." -Jan Oosterveld, Professor, IESE Business School, Barcelona, Spain Member, Group Management Committee (Ret.), Royal Philips Electronics "Capitalism at the Crossroads captures a disturbing and descriptive picture of the global condition. Dr. Hart constructs a compelling new corporate business model that simultaneously merges the metric of profitability along with societal value and environmental integrity. He challenges the corporate sector to take the lead and to invoke this change so that the benefits of capitalism can be shared with the entire human community worldwide." -Mac Bridger, CEO of Tandus Group "Stuart L. Hart makes a very important contribution to the understanding of how enterprise can help save the world's environment. Crucial reading." -Hernando de Soto, President of The Institute for Liberty and Democracy and author of The Mystery of Capital "Stuart Hart's insights into the business sense of sustainability come through compellingly in Capitalism at the Crossroads. Any businessperson interested in the long view will find resonance with his wise reasoning." -Ray Anderson, Founder and Chairman, Interface, Inc. "This stimulating book documents the central role that business will play in humanity's efforts to develop a sustainable global economy. Professor Hart presents an attractive vision of opportunity for

those corporations that develop the new technologies, new business models, and new mental frames that are essential to a sustainable future." -Jeffrey Lehman, Former President of Cornell University "The people of the world are in desperate need of new ideas if global industrial development is ever to result in something other than the rich getting richer and the poor getting poorer, with nature (and potentially all of us) suffering the collateral damage. Few have contributed more to meeting this need over the past decade than Stuart Hart by helping to illuminate the potential role for business and new thinking in business strategy in the journey ahead. Capitalism at the Crossroads challenges, provokes, and no doubt will stimulate many debates—which is exactly what is needed." -Peter Senge, Massachusetts Institute of Technology, Chairperson of the Society for Organizational Learning, and author of *The Fifth Discipline: The Art and Practice of The Learning Organization* New Foreword by Al Gore Brand-New Second Edition, Completely Revised with: Up-to-the-minute trends and lessons learned New and updated case studies The latest corporate responses to climate change, energy, and terrorism Global capitalism stands at a crossroads-facing terrorism, environmental destruction, and anti-globalization backlash. Today's global companies are at a crossroads, too-searching desperately for new sources of profitable growth. Stuart L. Hart's *Capitalism at the Crossroads*, Second Edition is about solving both of those problems at the same time. It's about igniting new growth by creating sustainable products that solve urgent societal problems. It's about using new technology to

deliver profitable solutions that reduce poverty and protect the environment. It's about becoming truly indigenous to all your markets, and avoiding the pitfalls of first-generation "greening" and "sustainability" strategies. Hart has thoroughly revised this seminal book with new case studies, trends, and lessons learned-including the latest experiences of leaders like GE and Wal-Mart. You'll find new insights from the pioneering BoP Protocol initiative, in which multinationals are incubating new businesses in income-poor communities. You'll also discover creative new ways in which corporations are responding to global warming and terrorism. More than ever, this book points the way toward a capitalism that's more inclusive, more welcome, and far more successful-for both companies and communities, worldwide.

Paths to profitable sustainability: Lessons from GE and Wal-Mart
Shattering the "trade-off" myth
New commercial strategies for serving the "base of the pyramid"
What enterprises have learned about doing business in income-poor regions
Becoming indigenous-for real, for good
Codiscovering new opportunities, cocreating new businesses with the poor
Learning from leaders: 20+ new and updated case studies
Best practices from DuPont, HP, Unilever, SC Johnson, Tata, P&G, Cemex, and more
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In 1848 James Challis showed that smooth solutions to the compressible Euler equations can become multivalued, thus signifying the onset of a shock singularity. Today it is known that, for many hyperbolic systems, such singularities often develop. However, most shock-formation results have been proved only in one spatial dimension. Serge Alinhac's groundbreaking work on wave equations in the late 1990s was the first to treat more than one spatial dimension. In 2007, for the compressible Euler equations in vorticity-free regions, Demetrios Christodoulou remarkably sharpened Alinhac's results and gave a complete description of shock formation. In this monograph, Christodoulou's framework is extended to two classes of wave equations in three spatial dimensions. It is shown that if the nonlinear terms fail to satisfy the null condition, then for small data, shocks are the only possible singularities that can develop. Moreover, the author exhibits an open set of small data whose solutions form a shock, and he provides a sharp description of the blow-up. These results yield a sharp converse of the fundamental result of Christodoulou and Klainerman, who showed that small-data solutions are global when the null condition is

satisfied. Readers who master the material will have acquired tools on the cutting edge of PDEs, fluid mechanics, hyperbolic conservation laws, wave equations, and geometric analysis. In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome. The solution to youth voter turnout requires focus on helping young people follow through on their political interests and intentions. The complete illustrated science encyclopedia covering the history, key discoveries, inventions

and people Science- The Definitive Visual Guide reveals the story of scientific progress from the invention of the wheel to 21st-century climate solutions, including everything from ancient Greek geometry and quantum physics to the worldwide web. Explore every key moment of scientific discovery with this remarkable reference book and find out how the concepts, inventions and the individuals behind them have changed our world. With stunning artworks and authoritative information Science- The Definitive Visual Guide, now in compact format makes even complex scientific subjects easily comprehensible. Includes new and expanded coverage of Six Sigma infrastructure building and benchmarking. Provides plans, checklists, metrics, and pitfalls. Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the

risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. Author Ned Mohan has been a leader in EES education and research for decades. His three-book series on Power Electronics focuses on three essential topics in the power sequence based on applications relevant to this age of sustainable energy such as wind turbines and hybrid electric vehicles. The three topics include power electronics, power systems and electric machines. Key features in the first Edition build on Mohan's successful MNPERE texts; his systems approach which puts dry technical detail in the context of applications; and substantial pedagogical support including PPT's, video clips, animations, clicker questions and a lab manual. It follows a top-down systems-level approach to power electronics to highlight interrelationships between these sub-fields. It's intended to cover fundamental and practical design. This book also follows a building-block approach to power electronics that allows an in-depth discussion of several important topics that are usually left. Topics are carefully sequenced to maintain continuity and interest. The historic journey of Barack and Michelle

Obama to the White House is memorialized in this fun yet fashionable paper doll book featuring the Obamas. For the millions who can't get enough of this remarkable first family, here's a book containing perforated press-out dolls of Barack and Michelle and over 30 mix-and-match coordinated outfits and accessories featuring the Obamas: — vacation in Hawaii — golfing at Camp David — election night — at the extraordinary inauguration and Inaugural Ball — traveling the world on foreign affairs trip — rolling up their sleeves for a day of service plus much more! Highlighting Barack's uniquely professional, yet down-to-earth wardrobe that reflects his popular persona and Michelle's outstanding taste in fashion, this book is a must for anyone wanting that special "yes we can" kind of day, every day. The definitive account of an icon who shaped gender equality for all women. In this comprehensive, revelatory biography — fifteen years of interviews and research in the making — historian Jane Sherron De Hart explores the central experiences that crucially shaped Ginsburg's passion for justice, her advocacy for gender equality, and her meticulous jurisprudence. At the heart of her story and abiding beliefs was her Jewish background, specifically the concept of tikkun olam, the Hebrew injunction to 'repair the world', with its profound meaning for a young girl who grew up during the Holocaust and World War II. Ruth's journey began with her mother, who died tragically young but whose intellect inspired her daughter's feminism. It stretches from Ruth's days as a baton twirler at Brooklyn's James Madison High School to Cornell

University to Harvard and Columbia Law Schools; to becoming one of the first female law professors in the country and having to fight for equal pay and hide her second pregnancy to avoid losing her job; to becoming the director of the ACLU's Women's Rights Project and arguing momentous anti-sex-discrimination cases before the US Supreme Court. All this, even before being nominated in 1993 to become the second woman on the Court, where her crucial decisions and dissents are still making history. Intimately, personally told, this biography offers unprecedented insight into a pioneering life and legal career whose profound impact will reverberate deep into the twenty-first century and beyond.

Power Electronics is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text is written for some flexibility in the order of the topics. Much of the text includes computer simulation using PSpice as a supplement to analytical circuit solution techniques. A research-based approach to developing more active and involved congregations

In this practical resource, well-known and respected researcher Scott Thumma and professional co-writer Warren Bird draw upon new and heretofore unpublished research across a broad range of Protestant churches of all sizes and show how to create more active members. Offers solid information of what church leaders need to know about the factors and practices that create church members who are more actively and passionately involved in their congregations. Offers a first of its kind resource for developing engaged congregations

Lead author Scott Thumma is a noted

researcher and writer on congregational studies Warren Bird is coauthor of *Culture Shift* and *Viral Churches* This book offers advice for moving church members from being spectators to living a life of discipleship and faith. "Political participation is paramount in a successful democracy, yet a strong sense of civic identity remains elusive in 21st century America. In *Renewing Democracy in Young America*, Hart and Youniss explore the idea that democracy depends on incorporating citizenship into long-term psychological identities. Proposing that 16- and 17-year-olds be able to vote in municipal elections and suggesting that schools create science-based, community-oriented environmental engagement programs, Hart and Youniss expound that by starting young and starting local, with direct citizen-participatory experiences, we can successfully create active and committed citizens"--Provided by publisher.

Long-awaited on the importance of halogen bonding in solution, demonstrating the specific advantages in various fields - from synthesis and catalysis to biochemistry and electrochemistry! Halogen bonding (XB) describes the interaction between an electron donor and the electrophilic region of a halogen atom. Its applicability for molecular recognition processes long remained unappreciated and has mostly been studied in solid state until recently. As most physiological processes and chemical reactions take place in solution, investigations in solutions are of highest relevance for its use in organic synthesis and catalysis, pharmaceutical chemistry and drug design, electrochemistry, as well as material synthesis. *Halogen Bonding in Solution* gives a

concise overview of halogen bond interactions in solution. It discusses the history and electronic origin of halogen bonding and summarizes all relevant examples of its application in organocatalysis. It describes the use of molecular iodine in catalysis and industrial applications, as well as recent developments in anion transport and binding. Hot topic: Halogen bonding is an important interaction between molecules or within a molecule. The field has developed considerably in recent years, with numerous different approaches and applications having been published. Unique: There are several books on halogen bonding in solid state available, but this will be the first one focused on halogen bonding in solution. Multi-disciplinary: Summarizes the history and nature of halogen bonding in solution as well as applications in catalysis, anion recognition, biochemistry, and electrochemistry. Aimed at facilitating exciting future developments in the field, Halogen Bonding in Solution is a valuable source of information for researchers and professionals working in the field of supramolecular chemistry, catalysis, biochemistry, drug design, and electrochemistry.

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