

Introduction To Radar Systems Skolnik 2nd Edition

Introduction to Radar Systems Introduction to Radar Systems *Radar Handbook* Global Health 101
Introduction to Modern EW Systems, Second Edition
Introduction to Radar Systems Bistatic Radar The Chosen Few Basic Radar Analysis, Second Edition *Radar Handbook, Third Edition* *Radar Systems Analysis and Design Using MATLAB Second Edition* **Resonant Alterities** *Radar Principles for the Non-Specialist*
Introduction to Airborne Radar Photonic Signal Processing, Second Edition **Global Health 101** *Jewish-Muslim Relations in Past and Present* *We Shall Build Anew* *The Rebbe* *Advances in Bistatic Radar* Introduction to Airborne Radar Fundamentals of Radar Signal Processing **A Collage of Customs** Crown of Aleppo *Reference Data for Engineers* **Sephardim and Ashkenazim** **Tefillin and Mezuzot from Qumran** **The Collected Works of Spinoza** Jewish Pastoral Care, 2nd Edition **Small and Short-Range Radar Systems** **On the Word of a Jew** **Reading the Epistle to the Hebrews** **Adam, Satan, and the King of Tyre** **From the Maccabees to the Mishnah, Third Edition** Beholding the Tree of Life: A Rabbinic Approach to the Book of Mormon

Doing History: Research and Writing in the Digital Age
Jesus Research **Modern Jewish Literatures** **The Book of Job in Jewish Life and Thought** **Doppler Radar** **Physiological Sensing**

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Global Health 101 Oct 05 2022 Global Health 101, Second Edition (formerly titled Essentials of Global Health) is a clear, concise, and user-friendly introduction to the most critical issues in global health. It illustrates key themes with an extensive set of case studies, examples, and the latest evidence. While the book offers a global perspective, particular attention is given to the health-development link, to developing countries, and to the health needs of poor and disadvantaged people. Global Health 101 builds on

the success of an introductory global health course taught by the author at the George Washington School of Public Health and Health Services and is ideally suited for the the Association of American Colleges and Universities recommended course by the same name. The text is accompanied by a wealth of instructor's resources, as well as a robust companion website with videos, presentations, and references intended to help both teachers and students. Richard Skolnik is the winner of numerous honors for teaching, has taught global health for 8 years, and has more than 30 years of experience as a global health practitioner in multilateral, university, and NGO settings. He has been actively involved in dealing with critical issues in global health at country level and at the highest levels of international health policy making. Learn more about the author. "Richard Skolnik's *Essentials of Global Health* is so comprehensive that it will be key reading in international health. In accessible language, he explains why good health is crucial to economic development, what indicators help track changes in global health, and requirements for good health systems. Approaches to solving world health problems must be under pinned by good ethics and human rights guidelines, he says, and local practices and cultures must not be ignored. Skolnik looks in detail at children's and women's health, and at the different challenges of tackling communicative and non-communicative disease in developing countries. He also maps out the key players in global health and looks ahead to future challenges." —The Lancet, October 2007 The book is organized in four parts:

- Principles, Measurements, and the Health-Development

Link: The principles of Global Health; Health Determinants, Measurements, and Trends; and Health, Education, Poverty, and the Economy. - Cross-Cutting Global Health Themes: Human Rights, Ethics, and Global Health; An Introduction to Health Systems; and Culture and Health. - The Burden of Disease: The Environment and Health; Nutrition and Health; Women's Health; Child Health; Infectious Diseases; Non-Communicable Diseases; and Unintentional Injuries. - Working Together to Improve Global Health: Conflicts, Natural Disasters, and Other Emergencies; Cooperating to Improve Global Health; and, Science Technology, and the Public's Health." Updates to the Second Edition: Updated tables and charts to include the most recent data on the burden of disease and risk factors - An expanded section on health disparities and health equity - A greatly expanded section on Neglected Tropical Diseases - An expanded section on the financing of global health and innovative financing mechanisms - Additional information on drug resistance and emerging and re-emerging infectious diseases - Additional information on innovative mechanisms for program implementation in areas related to key chapter topics, such as performance based financing in maternal health, TB, and health systems development - An expanded section on public-private partnerships and product development partnerships for health - Additional examples and mini-case studies in all of the core chapters - A new chapter on "Careers in Global Health", with information on careers, which would be illustrated with profiles of global health leaders from around the world, who model those careers Looking for more real-life evidence? Check out

Cases 1, 3, 6, 7, & 13 in Essential Case Studies in Public Health, Putting Public Health into Practice.

Jewish-Muslim Relations in Past and Present Aug 23 2021

This multidisciplinary volume explores the Judaeo-Islamic tradition during the Middle Ages and down to the present focusing on such diverse themes as history, law, identity, prayer, language, scriptural exegesis, music, and film.

We Shall Build Anew Jul 22 2021 "In 1922, Rabbi Stephen S. Wise, a leader of the Zionist movement as well as many Progressive causes, established a non-denominational rabbinical seminary in New York City. Having already founded the thriving Free Synagogue movement and the American Jewish Congress, he now turned his energy toward opening the Jewish Institute of Religion (JIR) with the same ambitious aim: revolutionizing American liberal Judaism. He believed mainstream American Jewish institutions had become outdated, refusing to relinquish a nineteenth-century mindset. In championing the new Jewish nationalism and fighting alongside America's leading proponents of social and economic justice, Wise had developed a mass following. But he recognized that he alone could not bring about the change he sought; he needed a new cadre of young rabbis who shared his outlook and could spread his vision. *We Shall Build Anew* tells the little-known story of how Wise changed the trajectory of American Judaism for the next century. By opening the Jewish Institute of Religion, he began to train that new cadre of young rabbis, charged them with invigorating and reshaping Jewish life, and launched them into positions of leadership across the country. *We Shall Build Anew* explores Wise's vision for the Jewish Institute

of Religion and the central role it would play in shaping twentieth-century American liberal Judaism. Conflict lies at the heart of this story. Wise faced hostility from across the denominational landscape, including attempts to quash the school before it ever opened. The national Reform leadership, weary of Wise's unceasing criticism and worried that a new rabbinical school would create competition for their own seminary, Hebrew Union College (HUC), opposed the endeavor. There were weaknesses in the JIR model and in Wise's leadership, too. Faculty fought bitterly, and the discord contributed to a constant rotation of scholars. Some eventually moved to more prestigious secular institutions, like Harvard and Columbia, which established the first two academic chairs in Jewish studies in the nation in the 1920s. And the students fought. From a wide range of backgrounds, they fiercely debated their Zionist, political, and cultural ideals. JIR also admitted several highly accomplished women, designated as "special students" who could sit in on classes but were barred entry into the rabbinical program. Despite years working on behalf of women's suffrage and civil rights, Wise would not be party to women's entry into the rabbinate. Finally, Wise's failure to generate a sustainable funding model created further instability for the school. Still, the JIR flourished and sent rabbis to congregations throughout the United States. JIR's non-denominationalism did not last, though. In the late 1940s, JIR's fiscal problems became insurmountable, and as Wise approached his death he reluctantly agreed to merge the Institute with Hebrew Union College, forfeiting the school's independence and bringing it under the umbrella

of the Reform movement. And despite Wise's early aim to break down barriers between American Jewry's various factions, the Reform, Conservative and Reconstructionist movements continued to carve out separate identities. In the early 21st century, however, Wise's vision for liberal Judaism and non-denominationalism has gained traction, and distinctions between the non-Orthodox denominations have begun to collapse. Whether or not Wise's ideas about non-denominationalism will continue to flourish remains to be seen. But it is clear that his blend of Jewish nationalism and American progressivism, which made him and his congregation objects of contempt within the world they sought to change, took hold. Today, it is impossible to think of the Reform, Conservative and Reconstructionist movements without their core commitments to Zionism, Jewish peoplehood (now called *klal yisrael*), and social and economic justice (commonly referred to as *tikkun olam*). The story of *We Shall Build Anew* has greater importance now than ever. With Orthodox Jewry moving increasingly to the right on the political spectrum, and a growing number of secular Jews joining the left in challenging the legitimacy of Zionism and the idea of a Jewish state, the Conservative and Reconstructionist movements in the middle are grappling with significant contraction. This leaves the Reform movement, the most direct heir to Stephen S. Wise's legacy, as American Jewry's hub of resistance to the radical right, and a stronghold of support for progressive forces in Israel. In creating JIR, Stephen S. Wise acted on his convictions—and thanks to his prescience as well as his efforts, ultimately the American Jewish community came around

to his ideas, fulfilling Wise's most ambitious goal: A reinvention of modern American liberal Judaism"--

Small and Short-Range Radar Systems Jul 10 2020

Radar Expert, Esteemed Author Gregory L. Charvat on CNN and CBS
Author Gregory L. Charvat appeared on CNN on March 17, 2014 to discuss whether Malaysia Airlines Flight 370 might have literally flown below the radar. He appeared again on CNN on March 20, 2014 to explain the basics of radar, and he explored the hope and limitations of the technology i

Modern Jewish Literatures Nov 01 2019 Is there such a thing as a distinctive Jewish literature? While definitions have been offered, none has been universally accepted. Modern Jewish literature lacks the basic markers of national literatures: it has neither a common geography nor a shared language—though works in Hebrew or Yiddish are almost certainly included—and the field is so diverse that it cannot be contained within the bounds of one literary category. Each of the fifteen essays collected in *Modern Jewish Literatures* takes on the above question by describing a movement across boundaries—between languages, cultures, genres, or spaces. Works in Hebrew and Yiddish are amply represented, but works in English, French, German, Italian, Ladino, and Russian are also considered. Topics range from the poetry of the Israeli nationalist Natan Alterman to the Russian poet Osip Mandelstam; from turn-of-the-century Ottoman Jewish journalism to wire-recorded Holocaust testimonies; from the intellectual salons of late eighteenth-century Berlin to the shelves of a Jewish bookstore in twentieth-century Los Angeles. The literary world described in *Modern Jewish*

Literatures is demarcated chronologically by the Enlightenment, the Haskalah, and the French Revolution, on one end, and the fiftieth anniversary of the State of Israel on the other. The particular terms of the encounter between a Jewish past and present for modern Jews has varied greatly, by continent, country, or village, by language, and by social standing, among other things. What unites the subjects of these studies is not a common ethnic, religious, or cultural history but rather a shared endeavor to use literary production and writing in general as the laboratory in which to explore and represent Jewish experience in the modern world.

Beholding the Tree of Life: A Rabbinic Approach to the Book of Mormon Feb 03 2020 Too often readers approach the Book of Mormon simply as a collection of quotations, an inspired anthology to be scanned quickly and routinely recited. In *Beholding the Tree of Life* Bradley J. Kramer encourages his readers to slow down, to step back, and to contemplate the literary qualities of the Book of Mormon using interpretive techniques developed by Talmudic and post-Talmudic rabbis. Specifically, Kramer shows how to read the Book of Mormon closely, in levels, paying attention to the details of its expression as well as to its overall connection to the Hebrew Scriptures—all in order to better appreciate the beauty of the Book of Mormon and its limitless capacity to convey divine meaning.

Sephardim and Ashkenazim Nov 13 2020 Sephardic and Ashkenazic Judaism have long been studied separately. Yet, scholars are becoming ever more aware of the need to merge them into a single field of Jewish Studies. This volume opens new perspectives and bridges traditional

gaps. The authors are not simply contributing to their respective fields of Sephardic or Ashkenazic Studies. Rather, they all include both Sephardic and Ashkenazic perspectives as they reflect on different aspects of encounters and reconsider traditional narratives. Subjects range from medieval and early modern Sephardic and Ashkenazic constructions of identities, influences, and entanglements in the fields of religious art, halakhah, kabbalah, messianism, and charity to modern Ashkenazic Sephardism and Sephardic admiration for Ashkenazic culture. For reasons of coherency, the contributions all focus on European contexts between the fourteenth and the nineteenth centuries.

Introduction to Airborne Radar Apr 18 2021 An

introduction to the subject for non-specialists: engineers, technicians, pilots, and aerospace industry marketing, public relations, and customer support personnel. Also a reference for specialists in the field. The completely rewritten and revised Second Edition updates the original published by the Hughes Aircraft Company.

The Collected Works of Spinoza Sep 11 2020 The Collected Works of Spinoza provides, for the first time in English, a truly satisfactory edition of all of Spinoza's writings, with accurate and readable translations, based on the best critical editions of the original-language texts, done by a scholar who has published extensively on the philosopher's work. The centerpiece of this second volume is Spinoza's Theological-Political Treatise, a landmark work in the history of biblical scholarship, the first argument for democracy by a major philosopher, and a forceful defense of freedom of thought and expression.

This work is accompanied by Spinoza's later correspondence, much of which responds to criticism of the Theological-Political Treatise. The volume also includes his last work, the unfinished Political Treatise, which builds on the foundations of the Theological-Political Treatise to offer plans for the organization of nontyrannical monarchies and aristocracies. The elaborate editorial apparatus—including prefaces, notes, glossary, and indexes—assists the reader in understanding one of the world's most fascinating, but also most difficult, philosophers. Of particular interest is the glossary-index, which provides extensive commentary on Spinoza's technical vocabulary. A milestone of scholarship more than forty-five years in the making, *The Collected Works of Spinoza* is an essential edition for anyone with a serious interest in Spinoza or the history of philosophy.

A Collage of Customs Feb 14 2021 In *A Collage of Customs*, Mark Podwal's imaginative and inventive interpretations of woodcuts from a 16th-century *Sefer Minhagim* (Book of Customs) allow readers of this volume to see these historic images in a new light. Podwal brings humor and whimsy to religious objects and practices, while at the same time delivering profound and nuanced commentary on Jewish customs and history, both through his art, and through his insightful accompanying text. The book appears in concert with an exhibition of Podwal's renderings at the Cincinnati Skirball Museum.

Radar Handbook Nov 06 2022 This edition is the most comprehensive and informative available on radar systems and technology. Thoroughly revised and updated to reflect the advances made in radar over the past two

decades. Charts/graphs.

Tefillin and Mezuzot from Qumran Oct 13 2020 In der Reihe Beihefte zur Zeitschrift für die alttestamentliche Wissenschaft (BZAW) erscheinen Arbeiten zu sämtlichen Gebieten der alttestamentlichen Wissenschaft. Im Zentrum steht die Hebräische Bibel, ihr Vor- und Nachleben im antiken Judentum sowie ihre vielfache Verzweigung in die benachbarten Kulturen der altorientalischen und hellenistisch-römischen Welt. Die BZAW akzeptiert Manuskriptvorschläge, die einen innovativen und signifikanten Beitrag zu Erforschung des Alten Testaments und seiner Umwelt leisten, sich intensiv mit der bestehenden Forschungsliteratur auseinandersetzen, stringent aufgebaut und flüssig geschrieben sind.

The Book of Job in Jewish Life and Thought Oct 01 2019 Despite its general absence from the Jewish liturgical cycle and its limited place in Jewish practice, the Book of Job has permeated Jewish culture over the last 2,000 years. Job has not only had to endure the suffering described in the biblical book, but the efforts of countless commentators, interpreters, and creative rewriters whose explanations more often than not challenged the protagonist's righteousness in order to preserve Divine justice. Beginning with five critical essays on the specific efforts of ancient, medieval, and modern Jewish writers to make sense of the biblical book, this volume concludes with a detailed survey of the place of Job in the Talmud and Midrashic corpus, in medieval biblical commentary, in ethical, mystical, and philosophical tracts, as well as in poetry and creative writing in a wide variety of Jewish languages from around the world from the second to

sixteenth centuries.

Jesus Research Dec 03 2019 This volume explores nearly every facet of Jesus research -- from eyewitness criteria to the reliability of memory, from archaeology to psychobiography, from oral traditions to literary sources, and from narrative criticism to Gospel criticism. Bringing together a wide variety of topics and perspectives in one volume, this ambitious collaborative enterprise casts light on important debates and encourages creative links between ideas new and old. This distinguished collection of articles by internationally renowned Jewish and Christian scholars originates with the Princeton-Prague Symposium on Jesus Research. It summarizes the significant advances in understanding Jesus that scholars have made in recent years, chiefly through the development of diverse methodologies. Even readers who are already knowledgeable in the field will discover unique angles from well-known New Testament scholars, and all will be brought up to speed on the current state-of-play within Jesus studies.

On the Word of a Jew Jun 08 2020 Fourteen essays examining the dynamics of trust and mistrust in Jewish history from biblical times to today. What, if anything, does religion have to do with how reliable we perceive one another to be? When and how did religious difference matter in the past when it came to trusting the word of another? In today's world, we take for granted that being Jewish should not matter when it comes to acting or engaging in the public realm, but this was not always the case. The essays in this volume look at how and when Jews were recognized as reliable and trustworthy in the

areas of jurisprudence, medicine, politics, academia, culture, business, and finance. As they explore issues of trust and mistrust, the authors reveal how caricatures of Jews move through religious, political, and legal systems. While the volume is framed as an exploration of Jewish and Christian relations, it grapples with perceptions of Jews and Jewishness from the biblical period to today, from the Middle East to North America, and in Ashkenazi and Sephardi traditions. Taken together these essays reflect on the mechanics of trust, and sometimes mistrust, in everyday interactions involving Jews. “Highly readable and compelling, this volume marks a broadly significant contribution to Jewish studies through the underexplored dynamic of trust.” —Rebekah Klein-Pejšová, author of *Mapping Jewish Loyalties in Interwar Slovakia* “An exemplary compendium on how to engage with a major concept—trust—while providing load of gripping new information, new theorization of otherwise well-covered material, and meticulous attention to textual and sociological sources.” —Gil Anidjar, author of *Blood: A Critique of Christianity*

Introduction to Airborne Radar Nov 25 2021 An introduction to the subject for non-specialists: engineers, technicians, pilots, and aerospace industry marketing, public relations, and customer support personnel. Also a reference for specialists in the field. The completely rewritten and revised Second Edition updates the original published by the Hughes Aircraft Company.

Advances in Bistatic Radar May 20 2021 This comprehensive reference updates bistatic and multistatic radar developments since the publication of Nicholas

Willis' seminal book Bistatic Radar published in 1991 and revised in 1995. The book is organized into two major sections: Bistatic/ Multistatic Radar Systems and Bistatic Clutter and Signal Processing. New and recently declassified military applications are documented. Civil applications are detailed for the first time, including commercial and scientific systems. Several of the most honored radar engineers of this era provide expertise in each of these applications. Professionals in radar and sonar will find this book a valuable resource

Photonic Signal Processing, Second Edition Oct 25 2021

This Second Edition of "Photonic Signal Processing" updates most recent R&D on processing techniques of signals in photonic domain from the fundamentals given in its first edition. Several modern techniques in Photonic Signal Processing (PSP) are described: Graphical signal flow technique to simplify the analysis of the photonic transfer functions, plus its insights into the physical phenomena of such processors. The resonance and interference of optical fields are presented by the poles and zeros of the optical circuits, respectively. Detailed design procedures for fixed and tunable optical filters. These filters, "brick-wall-like", now play a highly important role in ultra-broadband (100GBaud) to spectral shaping of sinc temporal response so as to generate truly Nyquist sampler of the received eye diagrams 3-D PSP allows multi-dimensional processing for highly complex optical signals Photonic differentiators and integrators for dark soliton generations. Optical dispersion compensating processors for ultra-long haul optical transmission systems. Some optical devices essentials for PSP. Many

detailed PSP techniques are given in the chapters of this Second Edition.

Resonant Alterities Jan 28 2022 »Resonant Alterities« bridges the gap between sound studies and literary criticism. A queer ghost story by Vernon Lee, an occultist novel of psychic adventure by Algernon Blackwood, a dystopian science fiction tale by J.G. Ballard and a post-traumatic short novel by Don DeLillo are its primary objects of analysis. Each is explored within the context of its contemporary cultural debates on sound. Meanwhile, all four theory-enriched readings focus on intersecting and desire-laden processes of meaning making, knowledge production and subject formation. Focal points are aurally/audio-visually structured phenomena expressive of both collective and individual anxieties.

Reference Data for Engineers Dec 15 2020 This standard handbook for engineers covers the fundamentals, theory and applications of radio, electronics, computers, and communications equipment. It provides information on essential, need-to-know topics without heavy emphasis on complicated mathematics. It is a "must-have" for every engineer who requires electrical, electronics, and communications data. Featured in this updated version is coverage on intellectual property and patents, probability and design, antennas, power electronics, rectifiers, power supplies, and properties of materials. Useful information on units, constants and conversion factors, active filter design, antennas, integrated circuits, surface acoustic wave design, and digital signal processing is also included. This work also offers new knowledge in the fields of satellite technology, space communication, microwave

science, telecommunication, global positioning systems, frequency data, and radar.

Radar Handbook, Third Edition Mar 30 2022 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. *The Industry Standard in Radar Technology_Now Updated with All the Advances and Trends of the Past 17 Years* Turn to the Third Edition of *Radar Handbook* for state-of-the-art coverage of the entire field of radar technology_from fundamentals to the newest applications. With contributions by 30 world experts, this resource examines methods for predicting radar range and explores radar subsystems such as receivers, transmitters, antennas, data processing, ECCM, and pulse compression. This radar handbook also explains the target cross section...radar echoes from ground and sea...and all radar systems, including MTI, AMTI, pulse doppler, and others. Using SI units, the Third Edition of *Radar Handbook* features: Unsurpassed guidance on radar fundamentals, theory, and applications Hundreds of examples and illustrations New to this edition: new chapters on radar digital signal processing, radar in air traffic control, ground penetrating radar, fighter aircraft radar, and civil marine radar; 22 thoroughly revised chapters; 17 new contributors Inside This Cutting-Edge Radar Guide • MTI Radar • Pulse Doppler Radar • Multifunctional Radar Systems for Fighter Aircraft • Radar Receivers • Automatic Detection, Tracking, and Sensor Integration • Pulse Compression Radar • Radar Transmitters • Reflector Antennas • Phased Array Radar

Antennas • Radar Cross Section • Sea Clutter • Ground Echo • Space-Based Radar • Meteorological Radar • HF Over-the-Horizon Radar • Ground Penetrating Radar • Civil Marine Radar • Bistatic Radar • Radar Digital Signal Processing • And More!

Doppler Radar Physiological Sensing Aug 30 2019

Presents a comprehensive description of the theory and practical implementation of Doppler radar-based physiological monitoring This book includes an overview of current physiological monitoring techniques and explains the fundamental technology used in remote non-contact monitoring methods. Basic radio wave propagation and radar principles are introduced along with the fundamentals of physiological motion and measurement. Specific design and implementation considerations for physiological monitoring radar systems are then discussed in detail. The authors address current research and commercial development of Doppler radar based physiological monitoring for healthcare and other applications. Explains pros and cons of different Doppler radar architectures, including CW, FMCW, and pulsed Doppler radar Discusses nonlinear demodulation methods, explaining dc offset, dc information, center tracking, and demodulation enabled by dc cancellation Reviews advanced system architectures that address issues of dc offset, spectrum folding, motion interference, and range resolution Covers Doppler radar physiological measurements demonstrated to date, from basic cardiopulmonary rate extractions to more involved volume assessments Doppler Radar Physiological Sensing serves as a fundamental reference for radar, biomedical, and

microwave engineers as well as healthcare professionals interested in remote physiological monitoring methods.

Crown of Aleppo Jan 16 2021 "In Crown of Aleppo, Hayim Tawil and Bernard Schneider tell the incredible story of the survival, against all odds, of the Aleppo Codex—one of the most authoritative and accurate traditional Masoretic texts of the Bible. Completed circa 939 in Tiberias, the Crown was created by exacting Tiberian scribes who copied the entire Bible into book form, adding annotations, vowel and cantillation marks, and precise commentary. Praised by Torah scholars for centuries after its writing, the Crown passed through history until the 15th century when it was housed in the Great Synagogue of Aleppo, Syria. When the synagogue was burned in the 1947 pogrom, the codex was thought to be destroyed, lost forever. That is where its great mystery begins. Miraculously, a significant portion of the Crown of Aleppo survived the fire and was smuggled from the synagogue ruins to an unknown location—presumably within the Aleppan Jewish community. Ten years later, the surviving pages of the codex were secretly brought to Israel and finally moved to their current location in the Israel Museum in Jerusalem. "

Bistatic Radar Jul 02 2022 This is the only English language book on bistatic radar and provides a history of bistatic systems that points out to potential designers, the applications that have worked and the dead-ends not worth pursuing.

Adam, Satan, and the King of Tyre Apr 06 2020 The oracle against the King of Tyre, found in Ezekiel 28.12-19, is a difficult text that inspired diverse interpretations in Late Antiquity. This book examines those interpretations and

seeks to understand their origins and development.

Basic Radar Analysis, Second Edition Apr 30 2022 This highly-anticipated second edition of an Artech House classic covers several key radar analysis areas: the radar range equation, detection theory, ambiguity functions, waveforms, antennas, active arrays, receivers and signal processors, CFAR and chaff analysis. Readers will be able to predict the detection performance of a radar system using the radar range equation, its various parameters, matched filter theory, and Swerling target models. The performance of various signal processors, single pulse, pulsed Doppler, LFM, NLFM, and BPSK, are discussed, taking into account factors including MTI processing, integration gain, weighting loss and straddling loss. The details of radar analysis are covered from a mathematical perspective, with in-depth breakdowns of radar performance in the presence of clutter. Readers will be able to determine the noise temperature of a multi-channel receiver as it is used in active arrays. With the addition of three new chapters on moving target detectors, inverse synthetic aperture radar (ISAR) and constant false alarm rate (CFAR) and new MATLAB codes, this expanded second edition will appeal to the novice as well as the experienced practitioner.

Fundamentals of Radar Signal Processing Mar 18 2021

Advances in DSP (digital signal processing) have radically altered the design and usage of radar systems -- making it essential for both working engineers as well as students to master DSP techniques. This text, which evolved from the author's own teaching, offers a rigorous, in-depth introduction to today's complex radar DSP technologies.

Contents: Introduction to Radar Systems * Signal Models * Sampling and Quantization of Pulsed Radar Signals * Radar Waveforms * Pulse Compression Waveforms * Doppler Processing * Detection Fundamentals * Constant False Alarm Rate (CFAR) Detection * Introduction to Synthetic Aperture Imaging

Introduction to Radar Systems Aug 03 2022 Since the publication of the second edition of "Introduction to Radar Systems," there has been continual development of new radar capabilities and continual improvements to the technology and practice of radar. This growth has necessitated the addition and updating of the following topics for the third edition: digital technology, automatic detection and tracking, doppler technology, airborne radar, and target recognition. The topic coverage is one of the great strengths of the text. In addition to a thorough revision of topics, and deletion of obsolete material, the author has added end-of-chapter problems to enhance the "teachability" of this classic book in the classroom, as well as for self-study for practicing engineers.

Radar Systems Analysis and Design Using MATLAB Second Edition Feb 26 2022 An introduction to radar systems should ideally be self-contained and hands-on, a combination lacking in most radar texts. The first edition of Radar Systems Analysis and Design Using MATLAB® provided such an approach, and the second edition continues in the same vein. This edition has been updated, expanded, and reorganized to include advances in the field and to be more logical in sequence. Ideal for anyone encountering the topic for the first time or for professionals in need of on-the-job reference, this book

features an abundance of MATLAB programs and code. Radar Systems Analysis and Design Using MATLAB®, Second Edition presents the fundamentals and principles of radar along with enough rigorous mathematical derivations to ensure that you gain a deep understanding. The author has extensively revised chapters on radar cross-section and polarization, matched filter and radar ambiguity function, and radar wave propagation. He also added information on topics such as PRN codes, multipath and refraction, clutter and MTI processing, and high range resolution. With all MATLAB functions updated to reflect version 7.0 and an expanded set of self-test problems, you will find this up-to-date text to be the most complete treatment of radar available, providing the hands-on tools that will enrich your learning.

The Rebbe Jun 20 2021 The story of one of the most compelling religious leaders of modern times From the 1950s until his death in 1994, Menachem Mendel Schneerson—revered by his followers worldwide simply as the Rebbe—built the Lubavitcher movement from a relatively small sect within Hasidic Judaism into the powerful force in Jewish life that it is today. Swept away by his expectation that the Messiah was coming, he came to believe that he could deny death and change history. Samuel Heilman and Menachem Friedman paint an unforgettable portrait of Schneerson, showing how he reinvented himself from an aspiring French-trained electrical engineer into a charismatic leader who believed that he and his Lubavitcher Hasidic emissaries could transform the world. They reveal how his messianic convictions ripened and how he attempted to bring the

ancient idea of a day of redemption onto the modern world's agenda. Heilman and Friedman also trace what happened after the Rebbe's death, by which time many of his followers had come to think of him as the Messiah himself. The Rebbe tracks Schneerson's remarkable life from his birth in Russia, to his student days in Berlin and Paris, to his rise to global renown in New York, where he developed and preached his powerful spiritual message from the group's gothic mansion in Crown Heights, Brooklyn. This compelling book demonstrates how Schneerson's embrace of traditionalism and American-style modernity made him uniquely suited to his messianic mission. Some images inside the book are unavailable due to digital copyright restrictions.

Reading the Epistle to the Hebrews May 08 2020 This volume, designed for classroom use, reflects contemporary trends in the study of an important and complex biblical text. Essays address major interpretive issues and emphasize the importance of interpreting Hebrews in light of its ancient Jewish, Christian, and Greco-Roman contexts.

Global Health 101 Sep 23 2021 Rated by an independent panel as the best introductory Global Health text for undergraduates, *Global Health 101, Third Edition* is a clear, concise, and user-friendly introduction to the most critical issues in global health. It illustrates key themes with an extensive set of case studies, examples, and the latest evidence. Particular attention is given to the health-development link, to developing countries, and to the health needs of poor and disadvantaged people. The Third Edition is a thorough revision that offers an extensive

amount of new and updated information, while maintaining clarity, simplicity, and ease of use for faculty and students. Offering the latest data on the burden of disease, the book presents unique content on key topics that are often insufficiently covered in introductory materials, such as immunization and adolescent health.

The Chosen Few Jun 01 2022 Maristella Botticini and Zvi Eckstein show that, contrary to previous explanations, this transformation was driven not by anti-Jewish persecution and legal restrictions, but rather by changes within Judaism itself after 70 CE--most importantly, the rise of a new norm that required every Jewish male to read and study the Torah and to send his sons to school. Over the next six centuries, those Jews who found the norms of Judaism too costly to obey converted to other religions, making world Jewry shrink. Later, when urbanization and commercial expansion in the newly established Muslim Caliphates increased the demand for occupations in which literacy was an advantage, the Jews found themselves literate in a world of almost universal illiteracy. From then forward, almost all Jews entered crafts and trade, and many of them began moving in search of business opportunities, creating a worldwide Diaspora in the process.

Introduction to Modern EW Systems, Second Edition Sep 04 2022 In answer to great demand, Artech House is proud to bring professionals a newly revised and updated edition of the bestselling book Introduction to Modern EW Systems. The Second Edition has been greatly expanded to include a wealth of new material, from remote piloted airborne systems, directed energy weapons, and non-

cooperative air surveillance...to EW radar band sensor next generation architectures, real-time data links, and smart jamming. This authoritative resource provides engineers and students with the latest electronic warfare (EW) techniques and technologies related to on-board military platforms. Practitioners gain expert design guidance on technologies and equipment used to detect and identify emitter threats, offering an advantage in the never-ending chess game between sensor guided weapons and EW systems. This unique book provides deeper insight into EW systems principles of operation and their mathematical descriptions, arming professionals with better knowledge for their specific design applications. Moreover, readers get practical information on how to counter modern communications data links which provide connectivity and command flow among the armed forces in the battlefield. Taking a sufficiently broad perspective, this comprehensive volume offers a panoramic view of the various physical domains RF, Infrared, and electronics that are present in modern electronic warfare systems. This in-depth book is supported with over 340 illustrations and more than 450 equations.

Introduction to Radar Systems Dec 07 2022 Since the publication of the second edition of "Introduction to Radar Systems," there has been continual development of new radar capabilities and continual improvements to the technology and practice of radar. This growth has necessitated the addition and updating of the following topics for the third edition: digital technology, automatic detection and tracking, doppler technology, airborne radar, and target recognition. The topic coverage is one of the

great strengths of the text. In addition to a thorough revision of topics, and deletion of obsolete material, the author has added end-of-chapter problems to enhance the "teachability" of this classic book in the classroom, as well as for self-study for practicing engineers.

From the Maccabees to the Mishnah, Third Edition Mar 06 2020 This is the third edition of Shaye J. D. Cohen's important and seminal work on the history and development of Judaism between 164 BCE to 300 CE. Cohen's synthesis of religion, literature, and history offers deep insight into the nature of Judaism at this key period, including the relationship between Jews and Gentiles, the function of Jewish religion in the larger community, and the development of normative Judaism and other Jewish sects. Cohen offers students more than just history, but an understanding of the social and cultural context of Judaism as it developed into the formative period of rabbinic Judaism. This new edition includes a brand-new chapter on the parting of ways between Jews and Christians in the second century CE. *From the Maccabees to the Mishnah* remains the clearest introduction to the era that shaped Judaism and provided the context for early Christianity.

Doing History: Research and Writing in the Digital Age Jan 04 2020 **DOING HISTORY: RESEARCH AND WRITING IN THE DIGITAL AGE** presents a soup to nuts approach to researching and writing about history, with an eye for making the most of current technology. The authors begin their straightforward approach with an overview of the discipline. Then, they lay out a systematic approach to research, including how to locate and analyze sources (both primary and secondary), how to write the paper and

cite research properly, and how to present the work in conferences. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Jewish Pastoral Care, 2nd Edition Aug 11 2020 The first comprehensive resource for pastoral care in the Jewish tradition--and a vital resource for counselors and caregivers of other faith traditions. The essential reference for rabbis, cantors and laypeople who are called to spiritually accompany those encountering joy, sorrow and change--now in paperback. This groundbreaking volume draws upon both Jewish tradition and the classical foundations of pastoral care to provide invaluable guidance. Offering insight on pastoral care technique, theory and theological implications, the contributors to Jewish Pastoral Care are innovators in their fields, and represent all four contemporary Jewish movements. This comprehensive resource provides you with the latest theological perspectives and tools, along with basic theory and skills for assisting the ill and those who care for them, the aging and dying, those with dementia and other mental disorders, engaged couples, and others, and for responding to issues such as domestic violence, substance abuse and disasters. Contributors: Barbara Eve Breitman, MSW, LSW * Anne Brener, MAJCS, MA, LCSW * Rabbi Amy Eilberg, MSW * Rabbi Nancy Flam, MA * Rabbi Dayle A. Friedman, MSW, MAJCS, BCC * Gus Kaufman, Jr., PhD * Rabbi Myriam Klotz, MA * Rabbi Yaacov Kravitz, EdD * Rabbi Ellen Jay Lewis, NCPsyA * Wendy Lipshutz, LMSW * Rabbi Sheldon Marder * Rabbi Joseph S. Ozarowski, DMin * Simcha Paull Raphael, PhD

* Rabbi Stephen Roberts, BCC * Rabbi Rochelle Robins *
Rabbi Drorah Setel, MTS * Rabbi Jeffery M. Silberman,
DMin * Marcia Cohn Spiegel, MAJCS * Rabbi Karen
Sussan * Rabbi Bonita E. Taylor, MA, BCC * Rabbi
Simkha Y. Weintraub, CSW * Rabbi David J. Zucker, PhD,
BCC

Introduction to Radar Systems Jan 08 2023 Since the publication of the second edition of "Introduction to Radar Systems," there has been continual development of new radar capabilities and continual improvements to the technology and practice of radar. This growth has necessitated the addition and updating of the following topics for the third edition: digital technology, automatic detection and tracking, doppler technology, airborne radar, and target recognition. The topic coverage is one of the great strengths of the text. In addition to a thorough revision of topics, and deletion of obsolete material, the author has added end-of-chapter problems to enhance the "teachability" of this classic book in the classroom, as well as for self-study for practicing engineers.

Radar Principles for the Non-Specialist Dec 27 2021 This updated edition provides a solid understanding of radar fundamentals and applications with far less of the mathematical rigor and technical data presented in engineering books for specialists.