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FOX FILES combines in-depth news reporting from a variety of Fox News on-air talent. The program will feature the breadth, power and journalism of rotating Fox News anchors, reporters and producers.

Foreword by Dr. Asad Madni, C. Eng., Fellow IEEE, Fellow IEE Learn the fundamentals of RF and microwave electronics visually, using many

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thoroughly tested, practical examples RF and microwave technology are essential throughout industry and to a world of new applications-in wireless communications, in Direct Broadcast TV, in Global Positioning System (GPS), in healthcare, medical and many other sciences. Whether you're seeking to strengthen your skills or enter the field for the first time, Radio Frequency and Microwave Electronics Illustrated is the fastest way to master every key measurement, electronic, and design principle you need to be effective. Dr. Matthew Radmanesh uses easy mathematics and a highly graphical approach with scores of examples to bring about a total comprehension of the subject. Along the way, he clearly introduces everything from wave propagation to impedance matching in transmission line circuits, microwave linear amplifiers to hard-core nonlinear active circuit design in Microwave Integrated Circuits (MICs). Coverage includes: A scientific framework for learning RF and microwaves easily and effectively Fundamental RF and microwave concepts and their applications The characterization of two-port networks at RF and microwaves using S-parameters Use of the Smith Chart to simplify analysis of complex design problems Key design considerations for microwave amplifiers: stability, gain, and noise Workable considerations in the design of practical active circuits: amplifiers, oscillators, frequency converters, control circuits RF

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and Microwave Integrated Circuits (MICs) Novel use of "live math" in circuit analysis and design Dr. Radmanesh has drawn upon his many years of practical experience in the microwave industry and educational arena to introduce an exceptionally wide range of practical concepts and design methodology and techniques in the most comprehensible fashion. Applications include small-signal, narrow-band, low noise, broadband and multistage transistor amplifiers; large signal/high power amplifiers; microwave transistor oscillators, negative-resistance circuits, microwave mixers, rectifiers and detectors, switches, phase shifters and attenuators. The book is intended to provide a workable knowledge and intuitive understanding of RF and microwave electronic circuit design. Radio Frequency and Microwave Electronics Illustrated includes a comprehensive glossary, plus appendices covering key symbols, physical constants, mathematical identities/formulas, classical laws of electricity and magnetism, Computer-Aided-Design (CAD) examples and more. About the Web Site The accompanying web site has an "E-Book" containing actual design examples and methodology from the text, in Microsoft Excel environment, where files can easily be manipulated with fresh data for a new design.

RF & Microwave Design Essentials This book is an indispensable tool

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for the RF/Microwave engineer as well as the scientist in the field working on the high frequency circuit applications. You will discover: ] Electricity Fundamentals ] Wave propagation ] Amplifier Design ] Gain Equations ] CAD Examples ] S-Parameters ] Circuit Noise ] RF Design ] Circuit Stability ] Transmission Lines ] RF/Microwave Bands ] Matching Circuit Design ] Smith Chart Applications ] BJT and FET Circuit Design ] Advanced RF/Microwave Concepts "The most realistic and inspiring book with invaluable practical insights." Dr. S. K. Ramesh, Dean of Engineering, California State University, Northridge "A completely unique book that unlocks the mysteries of our microwave world." Paul Luong, Senior Microwave Engineer ATK Mission Systems, Inc. The CD-ROM provides design worksheets and menus as well as actual design examples in a Microsoft(R) Excel Environment, where the student can design or analyze RF/Microwave circuits easily and efficiently.

RF and Microwaves is currently in the forefront as a fundamental technology in numerous industrial and commercial applications. As applications of RF and microwaves continue to evolve and as this technology becomes a common factor in the scientific and engineering communities it is imperative that university students and practicing scientists and engineers become thoroughly familiar with the

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measurement principles, electronics, and design fundamentals underlying this technology. RF and Microwaves is currently in the forefront as a fundamental technology in numerous industrial and commercial applications. As applications of RF and microwaves continue to evolve and as this technology becomes a common factor in the scientific and engineering communities it is imperative that university students and practicing scientists and engineers become thoroughly familiar with the measurement principles, electronics, and design fundamentals underlying this technology. Advanced RF & Microwave Circuit Design is the quickest way to master this powerful subject, and information contained within the pages of this book will make every key electronic, measurement, and design principle you need a simple task. The book introduces concepts on a wide range of materials and has several advantages over existing texts, including:

1. The presentation of a series of scientific postulates and axioms, which lays the foundation for any of the engineering sciences and is unique to this book compared with similar RF and Microwave texts.

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their propagation on transmission lines, is unique to this book compared with similar RF and Microwave texts. 2. The presentation of classical laws and principles of electricity and magnetism, all inter-related, conceptually and graphically. 3. There is a shift of emphasis from rigorous mathematical solutions of Maxwell's equations, and instead has been aptly placed on simple yet fundamental concepts that underlie these equations. This shift of emphasis will promote a deeper understanding of the electronics, particularly at RF/Microwave frequencies. 4. Wave propagation in free space and transmission lines has been amply treated from a totally new standpoint. Designing RF/Microwave passive circuits using the Smith Chart as covered in this book becomes a systematic and yet pleasant task, which can easily be duplicated by any practitioner in the field. 5. New technical terms are precisely defined as they are first introduced, thereby keeping the subject matter in focus and preventing misunderstanding, and 6. Finally the abundant use of graphical illustrations and diagrams brings a great deal of clarity and conceptual understanding, enabling difficult concepts to be understood with ease. The fundamentals of RF and microwave electronics can be mastered visually, through many tested practical examples in the book and in the accompanying CD using Microsoft Excel (R) environment. This book is perfect for RF/microwave newcomers or

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industry veterans! The material is presented lucidly and effectively through worked practical examples using both clear-cut math and vivid illustrations, which help the reader gain practical knowledge in passive circuit design using the Smith Chart.

324 Pages. Learning the subject of electricity and electronics through the study of this workbook is tremendously more beneficial than simply purchasing and reading the book on your own. The workbook provides many advantages including: a) A step by step approach presenting a series of lessons, which are bite-sized pieces of information taken from the book. b) The lessons act like a trail or a road to knowledge with a definite beginning and a finite end. This prevents possible frustration of the reader from aimlessly reading the book or getting overwhelmed by the enormity of the subject. c) Solutions to many of the end of chapter quizzes provide an excellent check-out to the readers comprehension of the material. d) A streamlined approach to learning electricity/electronics, which takes irrelevant materials off the direct path of achieving the final goal of total comprehension. e) Authors numerous comments, exercises and summary adds clarity and understanding and brings simplification to a very complicated subject.

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Reference/Business/Management/Philosophy/Science The Modern Philosophy & Science of Investment An indispensable tool for the average investor desiring to climb to a higher plateau of affluence and abundance! "This book is one's ultimate weapon in the modern world to become a superior investor with an unusually high investment IQ to confront and conquer all of the doom and gloom of the economic and political upheavals in our society with relative ease." Dr. Matthew M. Radmanesh From "The Modern Philosophy & Science of Investment " You will discover: □ The Pyramid of life □ The Scientific Methodology in Investment □ The General Certainty Principle □ The Entropy Principle □ Unification of Life and Business □ The New Unified Theory □ Reward to Risk Ratio □ The PE Index □ The Postulates and Axioms of Investment □ The Pyramid of Knowledge in Investment □ The F7 Investment System □ The Golden Goose Principle □ The Growth-Share Matrix □ Cash Cow Figures of Merit □ The Logarithmic Investor □ The Margin of Safety " This book is the road map leading to the recovery of great mental abilities and the discovery of physical treasures that would guarantee enormous success in life or business." Dr. Matthew M. Radmanesh From "The Modern Philosophy & Science of Investment" Other Books by Dr. Matthew M. Radmanesh ♣ The Gateway to Prosperity System, 2015, 751 Pages. ♣ Advanced Principles of Success & Prosperity, 2012, 622 Pages. ♣ The Ultimate Keys to

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Success in Business and Science, 2008, 464 Pages. ♣ Cracking the Code of Our Physical Universe, 2006, 416 Pages. ♣ The Gateway to Understanding: Electrons to Waves and Beyond, 2005, 678 Pages.

Matthew M. Radmanesh, Ph.D., is currently a faculty member in the Electrical and Computer Engineering (ECE) department at California State University, Northridge, CA. Dr. Radmanesh is a member of Tau Beta Pi and Eta Kappa Nu Honor societies, and holds two patents for his pioneering works in Microwaves and Millimeter waves.

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Everyone, in today's society, is struggling with this mysterious thing called the business world and strives toward a higher understanding of its inner workings, and yet most books present the basic concepts with so much complexity and filled with so many arbitrary factors that the general public has given up on the subject and perforce has decided to retire to the sideline to be a spectator. In other words, his hope has been dashed aside and his dream of a higher understanding has not been fulfilled in any of the books. The present work is the culmination of many years of study, observation, and pondering on the dilemmas and enigmas of the business world. Within the confines of this book, one is given a chance to take an in-depth look and inspect first-hand, the code ombination of what makes

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a successful business. The basics are laid in simple terms and clear explanations express the powerful principles lucidly and dynamically, providing an unforgettable impression in the reader's mind. By avoiding undue complexities, the reader will achieve simplicity of thought and will be actually traveling in the direction of the actual why and thus be able to understand how to set up and manage any business. It is an interestingly uncommon book written primarily for the technical as well as the non-technical man. It is intended to serve several classes of our society a) The office workers and managers, b) The Business minded individuals, c) The business owners, d) The professional managaers. This book will surely serve also an important class of our society the technical inventors who is looking for inspirations and new ideas to imbue him with enough understanding to finalize and materialize his thoughts into reality. The broad importance of this work could be summed up as laying the foundation for the business world on a scientific basis where arbitrary factors are removed and technical superiority is substituted. This is a totally new approach to understanding our business world through the use of newly discovered fundamentals (missing in all business books), which add a tremendous amount of simplicity and clarity to our complex business world. This is a new approach unmatched in any extant text today. The discovery of these fundamentals will create a

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huge impact on our business world and will truly make our business arena revitalized with renewed interests in understanding its principles in a unit of time. This work has created a unified theory about the two distinct concepts: personal life and business world. Finally, this work paves the way for the scientist as well as the non-technical individual to formulate and develop a business plan that will crack open the business world and will end up handing the individual the key to his "personal life.

What sets this book apart is the fact that it is not just another science book describing scientific facts and phenomena! It would surely be redundant since that task has been done many times over with much more elegant prose and brighter narrators. In this book, for the first time we have undertaken the task of breaking the code of any piece of matter or natural phenomena; whether it is an atom, a quantum occurrence, a planet, a galaxy, or any other perceivable thing. It covers any natural phenomena ever discovered or one that will be unravelled by the future pioneers in their respective fields. This book provides the trail map of any and all things that man has discovered and shows how their codes were cracked. The list of discoveries is endless but prominent amongst them are the discovery of fire, electricity, magnetism, laws of motion, the solar system and

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planets, so on and so forth. This book goes beyond just pure science since it fuses philosophy with science. It actually makes science a subset of philosophy, or more precisely, applied philosophy. Just like the light phenomenon, which was made to be a subset of the field of electricity by James Clerk Maxwell, revolutionizing our technical world, so does this book by bringing a new era of incredible developments for mankind!

The subject of waves particularly, electronic waves, has been piecemealed to a point where every text covers only a small part of the subject and leaves the rest to someone else to develop. At the present moment, there is no coherent and one-stop approach that covers this material from A to Z and presents it in such a way that an average person can wrap his wits around it. There has been a need for such a book for quite some time. Over the last hundred years, the field of electronic waves, initially placed on a firm ground by James Clerk Maxwell, has grown and blossomed magnificently, primarily in the area of applications to match up with the mathematical sophistication with which Maxwell's equations was presented. Today, almost anyone in our highly technological society strives toward a higher understanding of the inner workings of electronic equipment and desires to know the major principles behind this fascinating form

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of energy called electricity and electronic waves, and yet most electrical books present the basic concepts with so much complexity and filled with so many mathematical equations that the average individual has given up on the subject and perforce has decided to retire to the sideline to be a spectator on the subject. In other words, their hope has been dashed aside and their dream of a higher understanding has not been fulfilled in any of the modern texts on electricity. The present work is the culmination of many years of study, observation and pondering on the dilemmas and enigmas of the physical universe in which we live with particular attention to electronic waves. In this work the origin of electronic waves and the resultant understandings that has been extracted from years of study of this sophisticated and at times incomprehensible subject, is presented with many lucid examples and applications. Within the confines of this book, one is given a chance for the first time to take an in- depth look and inspect first-hand, one of the most dynamic fields of study that has ever been developed in the history of mankind on this planet. The basics are laid in simple terms and clear explanations express the powerful principles lucidly and dynamically, providing an unforgettable impression in the reader's mind. Rather than looking into the complicated mathematical equations for solutions, Man's long search for answers to the riddles of the

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technical world will finally be amply rewarded through the pages of this book. By avoiding undue complexities, the reader will achieve occum's razor doctrine and will be actually traveling in the direction of "the actual why" and thus be able to put his thoughts on the right track for all the future problems forthcoming. It is an interestingly uncommon book intended to lift the aura of "black magic" surrounding the world of sciences particularly electricity, to enlighten and demystify the subject of sciences in the minds of ordinary individuals. It is written primarily for the technical as well as the non-technical man and intends to serve several classes of our society: a) The professional engineers, b) The technical inventors, c) The technically versed individuals, d) The college professors, e) The college senior and graduate students, f) The interested but non-technical individuals, and g) The business and industrial leaders. The scientist, armed with the tools solidly laid out in this book, will be well equipped to understand scientific journals and handle the problems of work-a-day world of sciences, particularly testing, analysis and design of devices, circuits and systems dealing with electric, magnetic or electronic wave phenomena. The increased depth of knowledge will allow one to achieve one's objectives with a much higher probability of success in this rapidly advancing subject.

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