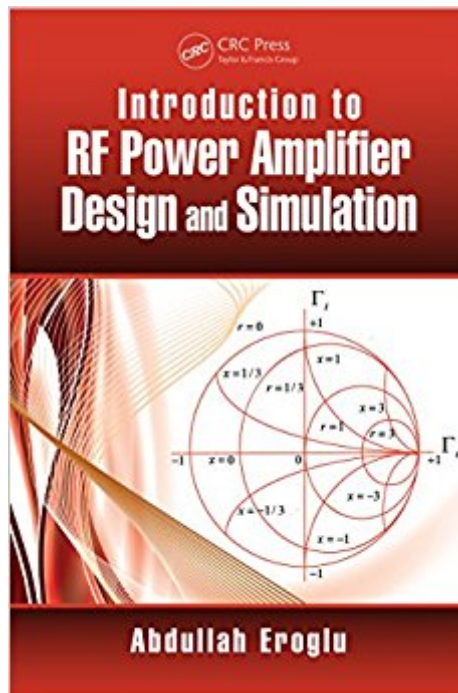The book was found

Introduction To RF Power Amplifier Design And Simulation

Synopsis

Introduction to RF Power Amplifier Design and Simulation fills a gap in the existing literature by providing step-by-step guidance for the design of radio frequency (RF) power amplifiers, from analytical formulation to simulation, implementation, and measurement. Featuring numerous illustrations and examples of real-world engineering applications, this book:Gives an overview of intermodulation and elaborates on the difference between linear and nonlinear amplifiersDescribes the high-frequency model and transient characteristics of metalÃ¢â¬âoxideÃ¢â¬âsemiconductor field-effect transistorsDetails active device modeling techniques for transistors and parasitic extraction methods for active devicesExplores network and scattering parameters, resonators, matching networks, and tools such as the Smith chartCovers power-sensing devices including four-port directional couplers and new types of reflectometersPresents RF filter designs for power amplifiers as well as application examples of special filter typesDemonstrates the use of computer-aided design (CAD) tools, implementing systematic design techniquesBlending theory with practice, Introduction to RF Power Amplifier Design and Simulation supplies engineers, researchers, and RF/microwave engineering students with a valuable resource for the creation of efficient, better-performing, low-profile, high-power RF amplifiers.

Book Information

Introduction to RF Power Amplifier Design and Simulation Designing Amplifier Circuits (Analog Circuit Design) Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLABÃ Â® and SimulinkÃ Â® (Modeling and Simulation in Science, Engineering and Technology) Molecular Simulation Studies on Thermophysical Properties: With Application to Working Fluids (Molecular Modeling and Simulation) Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power Systems) Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power Power Pivot and Power BI: The Excel User's Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016 Handbook of Digital Techniques for High-Speed Design: Design Examples, Signaling and Memory Technologies, Fiber Optics, Modeling, and Simulation to Ensure Signal Integrity Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems Circuit Design and Simulation with VHDL (MIT Press) CMOS Circuit Design, Layout, and Simulation, 3rd Edition (IEEE Press Series on Microelectronic Systems) Chip Design for Submicron VLSI: CMOS Layout and Simulation Design Energy Simulation for Architects: Guide to 3D Graphics Design of Hall Effect Gear Tooth Speed Sensors by Using Magnetic Field Simulation Engineering Design Optimization using Calculus Level Methods: A Casebook Approach: Math Modeling, Simulation, & Optimization Introduction to Scientific Programming and Simulation Using R (Chapman & Hall/CRC The R Series) Introduction to Scientific Programming and Simulation Using R, Second Edition (Chapman & Hall/CRC The R Series) Introduction to Computational Science: Modeling and Simulation for the Sciences, Second Edition

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