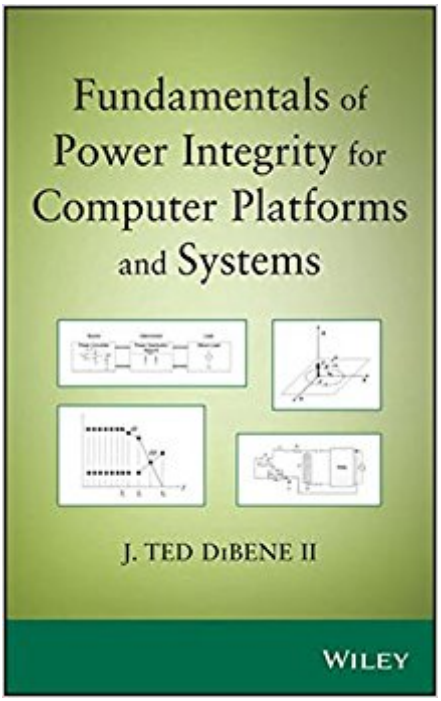
The book was found

Fundamentals Of Power Integrity For Computer Platforms And Systems



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

An all-encompassing text that focuses on the fundamentals of power integrity Power integrity is the study of power distribution from the source to the load and the system level issues that can occur across it. For computer systems, these issues can range from inside the silicon to across the board and may egress into other parts of the platform, including thermal, EMI, and mechanical. With a focus on computer systems and silicon level power delivery, this book sheds light on the fundamentals of power integrity, utilizing the authorâ ™s extensive background in the power integrity industry and unique experience in silicon power architecture, design, and development. Aimed at engineers interested in learning the essential and advanced topics of the field, this book offers important chapter coverage of fundamentals in power distribution, power integrity analysis basics, system-level power integrity considerations, power conversion in computer systems, chip-level power, and more. Fundamentals of Power Integrity for Computer Platforms and Systems: Introduces readers to both the field of power integrity and to platform power conversion Provides a unique focus on computer systems and silicon level power delivery unavailable elsewhere Offers detailed analysis of common problems in the industry Reviews electromagnetic field and circuit representation Includes a detailed bibliography of references at the end of each chapter Works out multiple example problems within each chapter Including additional appendixes of tables and formulas, Fundamentals of Power Integrity for Computer Platforms and Systems is an ideal introductory text for engineers of power integrity as well as those in the chip design industry, specifically physical design and packaging.

Book Information

Hardcover: 280 pages
Publisher: Wiley; 1 edition (March 3, 2014)
Language: English
ISBN-10: 1118091434
ISBN-13: 978-1118091432
Product Dimensions: 6.4 x 0.8 x 9.6 inches
Shipping Weight: 14.4 ounces (View shipping rates and policies)
Average Customer Review: 3.5 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)
Best Sellers Rank: #2,371,150 in Books (See Top 100 in Books) #95 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #4666 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction #13002

inÂ Books > Science & Math > Nature & Ecology > Conservation

Customer Reviews

The author is from Intel and this is main reason I bought this bool to learn a bit of insight of the PDN. I would say, I dont learn much after reading the whole book. Most of the principles are quite brief. Not any of the key points is explained down to the earth. A lot of typos, especially, 10^x and e^x... The writing is a bit of hard to follow compared with many other books in the same topic. Also the plots and figures are not very well prepared.Two thing I like about the book :1) good collection of references that saves my time for searching 2) system review for example LL and TOB..So 2 stars from me.

great power integrity book with pratical techniques and advanced topics

Download to continue reading...

Power Integrity for I/O Interfaces: With Signal Integrity/ Power Integrity Co-Design (Prentice Hall Modern Semiconductor Design) Fundamentals of Power Integrity for Computer Platforms and Systems Distributed Platforms: Proceedings of the IFIP/IEEE International Conference on Distributed Platforms: Client/Server and Beyond: DCE, CORBA, ODP and ... in Information and Communication Technology) HACKING: Beginner's Crash Course - Essential Guide to Practical: Computer Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer Programming, Computer Science Book 1) Web 2.0 Fundamentals: With AJAX, Development Tools, And Mobile Platforms Security Strategies In Linux Platforms And Applications (Information Systems Security & Assurance) Security Strategies In Linux Platforms And Applications (Jones & Bartlett Learning Information Systems Security & Assurance) Laboratory Manual To Accompany Security Strategies In Linux Platforms And Applications (Jones & Bartlett Learning Information Systems Security & Assurance Series) 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 Fundamentals of Structural Integrity: Damage Tolerant Design and Nondestructive Evaluation IEC 61511-3 Ed. 1.0 b:2004, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels Signal and Power Integrity - Simplified (2nd Edition) Solar PV Off-Grid Power: How to Build Solar PV Energy Systems for Stand Alone LED Lighting, Cameras, Electronics, Communication, and Remote Site Home Power Systems Computability, Complexity, and Languages, Second Edition: Fundamentals of Theoretical Computer Science (Computer Science

and Scientific Computing) Computer Architecture: Fundamentals and Principles of Computer Design A Creator's Guide to Transmedia Storytelling: How to Captivate and Engage Audiences Across Multiple Platforms Specialty Police Munitions: The Hottest New Specialty Ammunition, Weapons Platforms, Devices, And Chemical Agents For Real-World Law Enforcement Podcasting Like a Pro with GarageBand '11 (The Down & Dirty Series): Configuring GarageBand '11 for advanced podcast recording and universal production techniques for other platforms. DIY Satellite Platforms: Building a Space-Ready General Base Picosatellite for Any Mission Fundamentals of Office 365: 2016 Edition (Computer Fundamentals)

Dmca