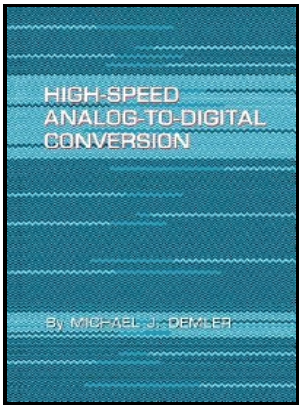
Electromagnetics for high-speed analog and digital communication circuits

Cambridge University Press - ELECTROMAGNETICS FOR HIGH SPEED ANALOG AND DIGITAL COMMUNICATION CIRCUITS



Description: -
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Linear integrated circuits
Digital integrated circuits
ElectromagnetismElectromagnetics for high-speed analog and digital communication circuits
-Electromagnetics for high-speed analog and digital communication circuits
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ELECTROMAGNETICS FOR HIGH SPEED ANALOG AND DIGITAL COMMUNICATION CIRCUITS

Modular arithmetic and GCDs; applications include primality testing and cryptography. Applications to motor control, switching power supplies, lighting, power systems, and other areas as appropriate. A series of lab exercises provide the background and practice of digital design using a modern FPGA design tool flow.

EE Courses

The underlying CMOS devices and manufacturing technologies are introduced, but quickly abstracted to higher-levels to focus the class on design of larger digital modules for both FPGAs field programmable gate arrays and ASICs application specific integrated circuits. Practical applications of the devices will be also discussed. Use of new CAD tools and systems.

Electromagnetics for High

Low power mixed signal design techniques. Metal-semiconductor contacts, pn junctions, bipolar transistors, and MOS field-effect transistors. Spatial and temporal coherence concepts are explained.

EE Courses

Resonance and impedance matching; 8.

Related Books

- Kerosene lamp and other poems
- Sankt Galler Heilige - Handschriften und Drucke aus dem 8. bis 18. Jahrhundert : Führer durch die Au
- Migrant agricultural workers in Americas Northeast
- Einführung in die Summa theologiae des hl. Thomas von Aquin
- Truth in lending simplification and reform act - law, explanation, selected committee reports.