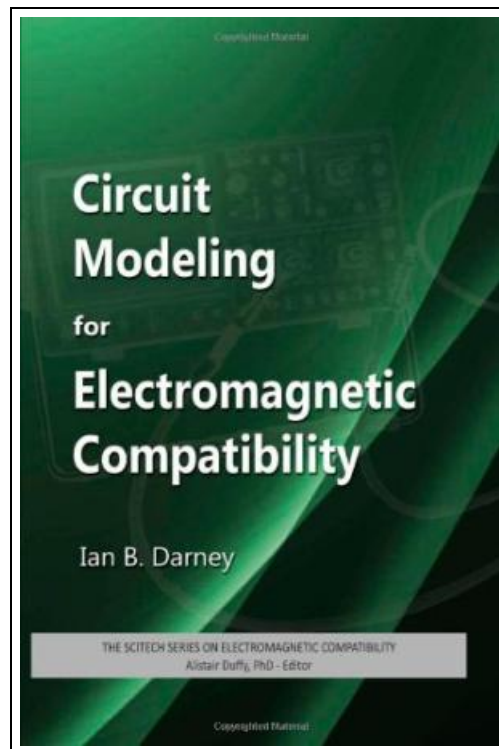


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SciTech Publishing. Hardcover. Condition: New. 312 pages. Dimensions: 9.1in. x 6.6in. x 1.1in. Very simply, electromagnetic interference (EMI) costs money, reduces profits, and generally wreaks havoc for circuit designers in all industries. This book shows how the analytic tools of circuit theory can be used to simulate the coupling of interference into, and out of, any signal link in the system being reviewed. The technique is simple, systematic and accurate. It enables the design of any equipment to be tailored to meet EMC requirements. Every electronic system consists of a number of functional modules interconnected by signal links and power supply lines. Electromagnetic interference can be coupled into and out of every conductor. In general, the longer the construction of the wiring assemblies and the function of the signals they carry will allow critical links to be identified. Circuit modeling can be used to simulate the electromagnetic coupling mechanism of each critical link, allowing its performance to be analyzed and compared with the formal requirements. Bench testing during the development of any product will allow any interference problem to be identified and corrected, long before the manufactured unit is subjected to formal testing. Key Features: A fully outlined, systematic and dramatically simplified process of designing equipment to meet EMC requirements Focuses on simplifications which enable electrical engineers to handle EMC problems Helps minimize time-to-market of new products and reduces the need for costly and time-consuming modifications Outlines how to use general purpose test equipment (oscilloscopes and signal generators) can be used to validate and refine any model Discusses how to use Mathcad or MATLAB to perform analysis and assessment This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.



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