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As digital devices continue to be produced at increasingly lower costs and with higher speeds, the need for effective electromagnetic compatibility (EMC) design practices has become more critical than ever to avoid unnecessary costs in bringing products into compliance with governmental regulations. The Second Edition of this landmark text has been thoroughly updated and revised to reflect these major developments that affect both academia and the electronics industry. Readers familiar with the First Edition will find much new material, including:

- \* Latest U.S. and international regulatory requirements
- \* PSpice used throughout the textbook to simulate EMC analysis solutions
- \* Methods of designing for Signal Integrity
- \* Fortran programs for the simulation of Crosstalk supplied on a CD
- \* OrCAD(r) PSpice(r) Release 10.0 and Version 8 Demo Edition software supplied on a CD
- \* The final chapter on System Design for EMC completely rewritten
- \* The chapter on Crosstalk rewritten to simplify the mathematics