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Accuracy of LMS Methods. -- 5.4 Stability of LMS Methods. -- 5.5 Trapezoidal Ringing. -- 5.6 Variable Time-Step Methods. -- 5.7 Application to Circuit Simulation. -- Notes. -- Problems. -- Glossary. -- Bibliography. -- Index.

Sommario/riassunto	A Definitive text on developing circuit simulators Circuit Simulation gives a clear description of the numerical techniques and algorithms that are part of modern circuit simulators, with a focus on the most commonly used simulation modes: DC analysis and transient analysis. Tested in a graduate course on circuit simulation at the University of Toronto, this unique text provides the reader with sufficient detail and mathematical rigor to write his/her own basic circuit simulator. There is detailed coverage throughout of the mathematical and numerical techniques that are the bas