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well as
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focuses on the use and comprehension of the working techniques for electrical and electronic circuit simulation. The first chapters are devoted to basic circuit analysis. It starts by

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describing in detail how to perform a DC analysis using only resistors and independent and controlled sources. Then, it introduces capacitors and inductors to make a transient analysis. In the case of

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analysis, it is
possible to have
an initial
condition either
in the capacitor
voltage or in
the inductor
current, or
both. Fourier
analysis is
discussed in the
context of
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analysis. Next,
we make a
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analysis to
simulate the
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we introduce
diodes,
transistors, and
circuits
composed by them
and perform DC,

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transient, and
AC analyses. The
book ends with
simulation of
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circuits. A
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approach is
followed through
the chapters,
using step-by-
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introduce new
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elements, tools,
analyses, and
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instruments for
measurement. The
examples are
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commented and
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Multisim are
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