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subtle aspects of
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analysis and
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engineering
approach to
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emphasis***

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***throughout the
book is on design
of control
systems.***

***Mathematics is
used to help
explain concepts,
but throughout
the text
discussion is tied
to design and
implementation.***

***For example
coverage of
analog controls
in chapter 5 is
not simply a
review, but is
used to show
how analog
control systems
map to digital
control systems
Review of***

Background

Material: contains review material to aid

understanding of digital control analysis and design. Examples include

discussion of discrete-time systems in time

***domain and
frequency
domain (reviewed
from linear
systems course)
and root locus
design in s-
domain and z-
domain (reviewed
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basic topics
required for a one
semester
senior/graduate
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includes some
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systems Minimal
Mathematics
Prerequisites The
mathematics
background
required for
understanding
most of the book
is based on what
can be
reasonably***

***expected from
the average
electrical,
chemical or
mechanical
engineering
senior. This
background
includes three
semesters of
calculus,
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principles needed
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estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models.

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acclaim, and in
2007, Ethan and
Joel Coen brought
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McCarthy's novel
to the screen. The
film earned praise
from critics
worldwide and was
honored with four
Academy Awards',
including Best
Picture, Best
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