

OP Amps and Linear Integrated Circuits: Concepts and Applications



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Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.
(Kade Ankunding)

OP AMPS AND LINEAR INTEGRATED CIRCUITS: CONCEPTS AND APPLICATIONS

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Delmar/Cengage Learning India, 2010. Softcover. Book Condition: New. First edition. Op Amps and Linear Integrated Circuits: Concepts and Applications covers the fundamental and practical applications of amplifiers and linear integrated circuits while allowing readers to explore an array of interesting and useful topics such as non-linear circuits, oscillators, regulators, integrators and differentiators, active filters, and analog-to-digital and digital-to-analog conversion. The book's broad yet deep coverage presents a wide range of practical circuits and latest applications in sufficient detail to ensure a thorough knowledge of the circuit application. * Quantitative problem sets are grouped in terms of analysis problems, design problems, computer problems, and challenge problems, enabling readers to target specific areas for review and study * An entire chapter is devoted to a wide array of new and "cutting edge" devices including op amps for high-speed, high-power, high-voltage, and high-current applications, instrumentation amplifiers, operational transconductance amplifiers, and current feedback amplifiers * Computer simulations are integrated into the book, often as a means of verifying calculation, enabling readers to perform "what-if" experiments, test the validity of differing device models, or to investigate second order effects

1. Introductory Concepts and Fundamentals
2. Operational Amplifier Internals
3. Negative Feedback
4. Basic Op Amp Circuits
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6. Specialized Op Amps
7. Non-Linear Circuits
8. Voltage Regulation
9. Oscillators and Frequency Generators
10. Integrators and Differentiators
11. Active Filters
12. Analog to Digital to Analog Conversion

* Appendix A: Answers to Selected Review Questions * Appendix B: Answers to Selected Problem Sets Printed Pages: 510.



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