

Multisim Circuit Files To Accompany Analog Fundamentals A

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Appropriate for use in any DC/AC circuits course and for some electronic devices courses, this book provides the foundation necessary for a clear understanding of the field of electronics as a whole. This volume is organized into three sections: the fundamentals of electricity; direct-current electronics; and alternating-current electronics.

??Prentice Hall??????
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Using MultiSIM 6.1 Troubleshooting DC/AC Circuits Delmar Pub

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??Holt,Rinchart and Winston 1983???????? -- ??: Modern digital and analog communication systems/B. P. Lathi
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"Electronics Technology Fundamentals" is a complete introduction to the increasingly complex study of electronics. This text presents do circuits, ac circuits, and devices in one condensed, easy-to-read volume, allowing these fundamentals to be covered in less time than required by "traditional" texts. Hailed by instructors as "an excellent, innovative approach" to teaching the fundamentals, the text presents all of the same vital information offered in traditional books while implementing the engaging, clear writing style and superb learning tools developed by seasoned authors Robert T. Paynter and B.J. Toby Boydell. The following features are NEW to this Second Edition: Full 4-color format improving clarity and visual appeal Chapter opening vignettes helping the reader to connect the chapter material to "real-world" circuits and applications New sections introducing the reader to component testing and fault symptoms Many newer components and component packages appearing throughout New margin notes introducing applications of principles and circuits New margin notes demonstrating calculator key sequences for many of the problem-solving examples

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This lab book, written by Frank Pugh and Wes Ponick, provides students and instructors with easy to follow laboratory experiments. The experiments range from an introduction to laboratory equipment to experiments dealing with filter applications. All experiments have been student tested to ensure their effectiveness. The lab book is organized to correlate with topics covered in the text chapter by chapter. All experiments have a MultiSim activity that is to be done prior to the actual physical lab activity. MultiSim files (version 8) are included on a bound-in CD-ROM. This prepares students to work with circuit simulation software, and also to do "pre-lab" preparation before doing a physical lab exercise. MultiSim coverage also reflects the widespread use of circuit simulation software in today's electronic industries.

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This unique workbook teaches how to troubleshoot circuits with the help MultiSIM(TM) 6.1. Working on the computer, you will learn to make measurements, replace components, and test results just as you would in a lab. Circuits contain built-in faults to give you troubleshooting practice. This exciting approach quickly builds the skill and confidence needed to do live circuit troubleshooting.
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This book makes comprehension of material a top priority and encourages readers to be active participants in the learning process. It provides a readable and thorough approach to electronic devices and circuits, and supports discussions with an abundance of learning aids to motivate and assist users at every turn. The sixth edition of this well-established book features significant art improvements throughout, added EWB simulation problems, and a redesigned lab manual. Chapter topics cover fundamental solid-state principles, diodes, bipolar junction transistors, DC biasing circuits, common-emitter amplifiers, other BJT amplifiers, power amplifiers, field-effect transistors, MOSFETs, amplifier frequency response, operational amplifiers, additional op-amp applications, tuned amplifiers, oscillators, solid-state switching circuits, thyristors and optoelectronic devices, and discrete and integrated voltage regulators. For an in-depth understanding of electronic devices and circuits.

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