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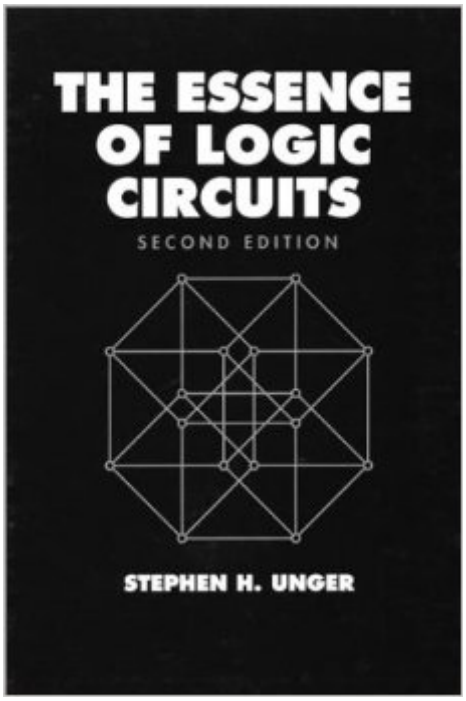
The Essence Of Logic Circuits



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Synopsis

Today, designing a state-of-the-art circuit means knowing how to pack more and more logic on a chip. Featuring an extensive introductory material, this complete, carefully-organized guide brings you valuable information on designing modern logic circuits from gates, switches, and other basic elements to meet the rising demands on modern circuit technology. THE ESSENCE OF LOGIC CIRCUITS allows computer scientists and students to start from scratch and gain a comprehensive understanding of most important topics in the field.

Book Information

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Customer Reviews

This books extensively makes use of state machines. The author describes advanced digital circuits such as look ahead adders. It also describes emerging digital techniques such as Scan-chaining and boundary scans. Numerous illustrative examples make the concept clear (e.g. a coin operated candy vending machine). An excellent book for would be logic designers.

I was fortunate enough to use this text in an introductory course with Unger himself. I thought the book was easy to understand and presented a difficult subject clearly. However, I will admit that having the author of the book in the classroom may have made it easier for me to understand what was going on.

I used this text for a course with the author. The text is full of typos, incomplete explanations, and has an incomprehensible writing style.

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