

[PDF] Logic And Computer Design Fundamentals

M. Morris Mano, Charles R. Kime - pdf download free book

Books Details:

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Description:

From the Publisher Based on the classic best-selling title Computer Engineering: Hardware Design (1988), this new text presents the fundamentals of hardware design and integrates state-of-the-art techniques and technologies in a smooth, easy-to-understand style with abundant use of examples to build understanding and problem-solving skills. The text provides excellent preparation for courses in contemporary computer architecture and organization that emphasize system-level concepts but present only a cursory treatment of actual hardware design.

From the Back Cover Key Benefit: Based on the classic best-selling titles Digital Logic and Computer Design (1972) and Computer Engineering: Hardware Design (1988), this new book presents a contemporary, integrated treatment of logic design and computer design in a single

package. It covers the hardware design fundamentals essential for industrial practice or the study of more advanced topics in digital system design and computer architecture. Topics are presented in a smooth, easy-to-understand style with abundant use of examples to build understanding and problem-solving skills. Key Topics: Includes more coverage of real world examples and concepts than other books by Mano, including ample coverage of programmable logic devices (PLDs) and examples of I/O and disk technologies; focuses on the use of hierarchy in design; introduces coverage of simulation and incorporates actual schematics and simulation results; illustrates logic functions using functional blocks instead of SSI and MSI integrated circuits in keeping with the decline of the use of these circuits in current practice.

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