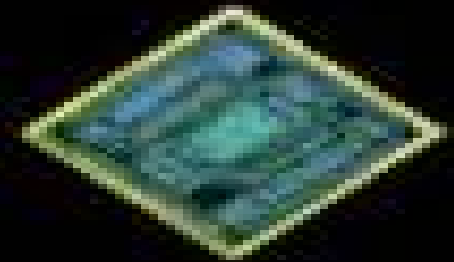


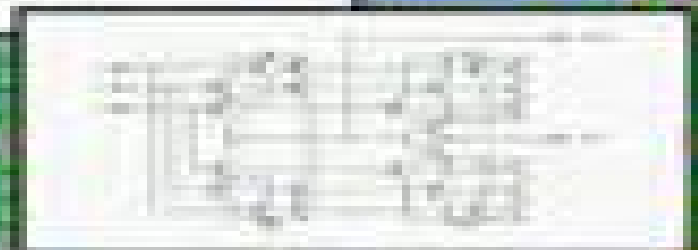
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A Systems Perspective
SECOND EDITION

NEEL H. K. WESTE
KAMRAN ESTHAGHIAN



$$F_{\text{total}} = \sum_{i=1}^n R_{i, \text{eff}}$$



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CMOS VLSI Design : A circuits and systems perspective Neil H.E. Weste, David Harris, 2015 The fourth edition of the best-selling text details the modern techniques for the design of complex and high-performance CMOS systems on a chip. Covering the fundamentals of CMOS design from the digital systems level to the circuit level, this book explains the fundamental principles and is a guide to good design practices.

Iddq Testing for CMOS VLSI Rochit Rajsuman, 1995 This book discusses in detail the correlation between physical defects and logic faults and shows you how Iddq testing locates these defects. The book provides planning guidelines and optimization methods and is illustrated with numerous examples ranging from simple circuits to extensive case studies.

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Digital Signal Processing Technology Joseph Picone, 1996 *Computer Aids for VLSI Design* Steven M. Rubin, 1987 This textbook, originally published in 1987, broadly examines the software required to design electronic circuitry including integrated circuits. Topics include synthesis and analysis tools, graphics, and user interface, memory representation, and more. The book also describes a real system called Electric.

VLSI Design, 1984 Memory, Microprocessor, and ASIC Wai-Kai Chen, 2003-03-26 Timing, memory, power dissipation, testing, and testability are all crucial elements of VLSI circuit design. In this volume, culled from the popular VLSI Handbook, experts from around the world provide in-depth discussions on these and related topics. Stacked gate, embedded and flash memory all receive detailed treatment, including their power consumption.

Temperature Adaptive and Variation Tolerant CMOS Circuits Ranjith Kumar, 2008 *Proceedings of the ... Midwest*

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