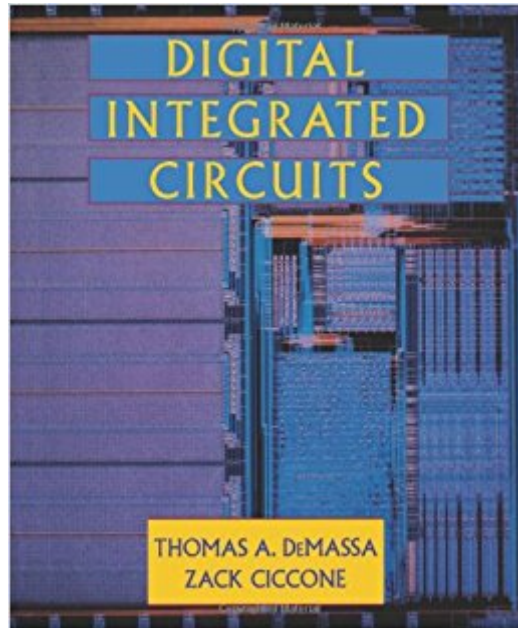




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Digital Integrated Circuits



Synopsis

Contains the most extensive coverage of digital integrated circuits available in a single source. Provides complete qualitative descriptions of circuit operation followed by in-depth analytical analyses and spice simulations. The circuit families described in detail are transistor-transistor logic (TTL, STTL, and ASTTL), emitter-coupled logic (ECL), NMOS logic, CMOS logic, dynamic CMOS, BiCMOS structures and various GASFET technologies. In addition to detailed presentation of the basic inverter circuits for each digital logic family, complete details of other logic circuits for these families are presented.

Book Information

Paperback: 700 pages

Publisher: Wiley; 1 edition (December 15, 1995)

Language: English

ISBN-10: 0471108057

ISBN-13: 978-0471108054

Product Dimensions: 8.2 x 1.2 x 10.3 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

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This book will serve as a good start for readers interested in the area of digital circuits. It's so easy to read and understand it becomes sometimes kinda boring. Everything you need is there, even some mathematical equalities. You are not going to consult other books in the area if you are a beginner as this seems to be the most down-to-earth one. If you're a little bit expert in the subject you might want to consult more advanced alternatives.

This text contains a lot of information on logic circuits, from an analog perspective. It is sort of a cookbook for logic but its principles can be applied to many circuits, digital and analog.

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