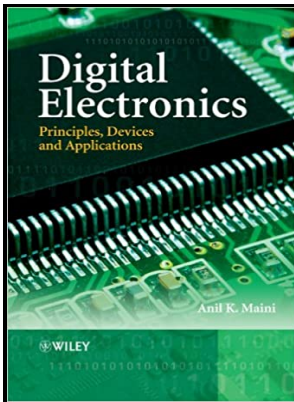


# Digital computer principles and applications

Van Nostrand Reinhold Co. - Digital Systems Principles and Applications 10th Ed



Description: -

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Electronic data processing.

Electronic digital computers. Digital computer principles and applications

-Digital computer principles and applications

Notes: Includes bibliographies.

This edition was published in 1972



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## Digital Electronics

FIGURE 3 36 a Original circuit using standard NAND symbols b equivalent representation where output Z is active HIGH c Z is active LOW d truth table.

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Thermometers before the digital revolution used analog representation to measure temperature, and many are still in use today. For information regarding permissions, write to: Rights and Permissions Department.

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Another example is shown in Figure 1-7 b, where binary numbers are stored on a CD.

**Deep Learning in Computer Vision: Principles and Applications (Digital Imaging and Computer Vision),** Hassaballah, Mahmoud, Awad, Ali Ismail, eBook

In analog systems, the voltage and current signals tend to be distorted by the effects of temperature, humidity, and component tolerance variations in the circuits that process the signal. The growth rate in the digital realm continues to be staggering.

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More rigorously, the various positions relative to the decimal point carry weights that can be expressed as powers of 10.

## Digital Electronics

Analog systems can also be programmed, but the variety and the complexity of the available operations are severely limited.



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