



Design Methods for Digital Systems

By Jean Chinal

Springer Mrz 2012, 2012. Taschenbuch. Book Condition: Neu. 23.5x15.5x cm. This item is printed on demand - Print on Demand Neuware - This book constitutes an introduction to the theory of binary switching networks (binary logic circuits) such as are encountered in industrial automatic systems, in communications networks and, more particularly, in digital computers. These logic circuits, with or without memory, (sequential circuits, combinational circuits) play an increasing part in many sectors of industry. They are, naturally, to be found in digital computers where, by means of an assembly (often complex) of elementary circuits, the functions of computation and decision which are basic to the treatment of information, are performed. In their turn these computers form the heart of an increasing number of digital systems to which they are coupled by interface units which, themselves, fulfil complex functions of information processing. Thus the digital techniques penetrate ever more deeply into industrial and scientific activities in the form of systems with varying degrees of specialization, from the wired-in device with fixed structure to those systems centered on a general-purpose programmable computer. In addition, the present possibility of mass producing microminiaturised logic circuits (integrated circuits, etc.)...

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