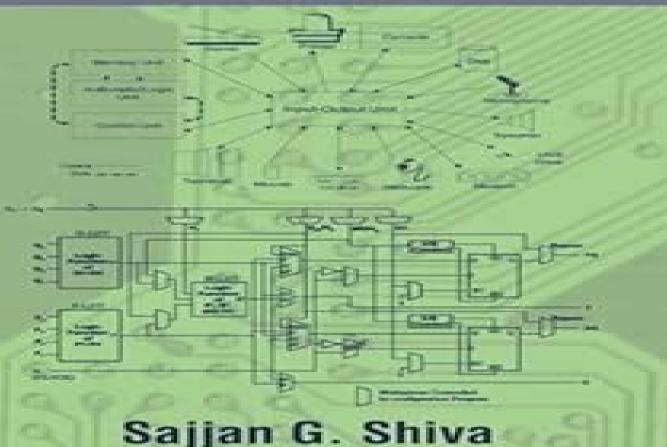


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architecture and design It places special emphasis on the research and development methodology utilized in the project The methodology described in this book includes the following elements creation of a candidate architecture comparative testing on the functional level selection and final refinement of the best architecture transformation from the architecture level to the design level logical and timing testing of the design and presentation for fabrication The text details how software tools are used in this project and how RISC architecture serves as the baseline for the project It covers specific design techniques languages testing phases architectural issues implementation technology and applications The book tested in a number of university courses and commercial tutorials is ideal for various undergraduate courses devoted to microprocessor design for VLSI *Transactions of the Society for Modeling and Simulation International*, 2001

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v 1 is the supply voltage per phase when the full voltage v 1 per phase is applied to the direct switching the starting current drawn from the supply is given by the equation shown below with auto transformer starting if tapping of the transformer ratio x is used then the voltage per phase across the motor is xv 1

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