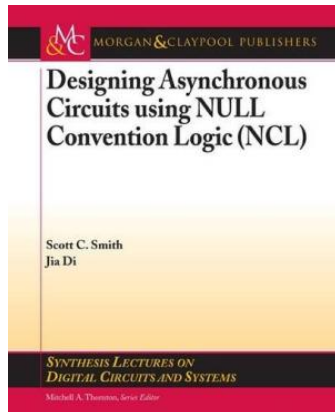


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DESIGNING ASYNCHRONOUS CIRCUITS USING NULL CONVENTION LOGIC (NCL)



Morgan & Claypool. Paperback. Book Condition: New. Paperback. 96 pages. Dimensions: 9.1in. x 7.3in. x 0.4in. Designing Asynchronous Circuits using NULL Convention Logic (NCL) begins with an introduction to asynchronous (clockless) logic in general, and then focuses on delay-insensitive asynchronous logic design using the NCL paradigm. The book details design of input-complete and observable dual-rail and quad-rail combinational circuits, and then discusses implementation of sequential circuits, which require datapath feedback. Next, throughput optimization techniques are presented, including pipelining, embedding registration, early...

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