



Static Timing Analysis for Nanometer Designs

J. Bhasker

Download now

[Click here](#) if your download doesn't start automatically

Static Timing Analysis for Nanometer Designs

J. Bhasker

Static Timing Analysis for Nanometer Designs J. Bhasker

The book covers topics such as cell timing and power modeling; interconnect modeling and analysis, delay calculation, crosstalk, noise and the chip timing verification using static timing analysis. For each of these topics, the book provides a theoretical background as well as detailed examples to elaborate the concepts. The static timing analysis topics covered start from verification of simple blocks useful for a beginner to this field. The topics then extend to complex nanometer designs with in-depth treatment of concepts such as modeling of on-chip variation, clock gating, half-cycle paths, as well as timing of source-synchronous interfaces such as DDR. The impact of crosstalk on timing and noise is covered as is the usage of hierarchical design methodology. This book addresses CMOS logic gates, cell library, timing arcs, waveform slew, cell capacitance, timing modeling, interconnect parasitics and coupling, pre- and post-layout interconnect modeling, delay calculation, specification of timing constraints for analysis of internal paths as well as IO interfaces. Advanced modeling and analysis concepts such as controlled current source timing and noise models for nanometer technologies, power modeling including active and leakage power, crosstalk timing and crosstalk glitch calculation, verification of half-cycle and multi-cycle paths, false paths, synchronous interfaces are also covered.

 [Download Static Timing Analysis for Nanometer Designs ...pdf](#)

 [Read Online Static Timing Analysis for Nanometer Designs ...pdf](#)

Download and Read Free Online Static Timing Analysis for Nanometer Designs J. Bhasker

From reader reviews:

Donald Taylor:

This Static Timing Analysis for Nanometer Designs book is simply not ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is definitely information inside this guide incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This specific Static Timing Analysis for Nanometer Designs without we recognize teach the one who reading through it become critical in imagining and analyzing. Don't become worry Static Timing Analysis for Nanometer Designs can bring when you are and not make your handbag space or bookshelves' turn into full because you can have it in your lovely laptop even telephone. This Static Timing Analysis for Nanometer Designs having great arrangement in word as well as layout, so you will not experience uninterested in reading.

Chris Gibbons:

Reading can called thoughts hangout, why? Because if you find yourself reading a book specially book entitled Static Timing Analysis for Nanometer Designs your mind will drift away trough every dimension, wandering in every aspect that maybe not known for but surely can be your mind friends. Imaging just about every word written in a publication then become one application form conclusion and explanation this maybe you never get before. The Static Timing Analysis for Nanometer Designs giving you a different experience more than blown away your brain but also giving you useful info for your better life in this era. So now let us demonstrate the relaxing pattern this is your body and mind will likely be pleased when you are finished reading it, like winning a. Do you want to try this extraordinary wasting spare time activity?

James Rogers:

Your reading 6th sense will not betray an individual, why because this Static Timing Analysis for Nanometer Designs publication written by well-known writer we are excited for well how to make book that may be understand by anyone who else read the book. Written with good manner for you, still dripping wet every ideas and producing skill only for eliminate your hunger then you still question Static Timing Analysis for Nanometer Designs as good book not only by the cover but also from the content. This is one publication that can break don't ascertain book by its cover, so do you still needing one more sixth sense to pick that!? Oh come on your reading sixth sense already said so why you have to listening to yet another sixth sense.

Charles Howell:

Reading a book to be new life style in this yr; every people loves to study a book. When you examine a book you can get a wide range of benefit. When you read guides, you can improve your knowledge, since book has a lot of information in it. The information that you will get depend on what types of book that you have read. In order to get information about your research, you can read education books, but if you act like you want to entertain yourself you are able to a fiction books, this sort of us novel, comics, along with soon. The Static Timing Analysis for Nanometer Designs will give you a new experience in reading a book.

Download and Read Online Static Timing Analysis for Nanometer Designs J. Bhasker #MFHATI80P9D

Read Static Timing Analysis for Nanometer Designs by J. Bhasker for online ebook

Static Timing Analysis for Nanometer Designs by J. Bhasker Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Static Timing Analysis for Nanometer Designs by J. Bhasker books to read online.

Online Static Timing Analysis for Nanometer Designs by J. Bhasker ebook PDF download

Static Timing Analysis for Nanometer Designs by J. Bhasker Doc

Static Timing Analysis for Nanometer Designs by J. Bhasker Mobipocket

Static Timing Analysis for Nanometer Designs by J. Bhasker EPub