Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing)

Michael Bushnell

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing)

Michael Bushnell

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) Michael Bushnell
Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment deals with the use of the Ulysses design environment for an automated full-custom VLSI layout. Topics covered include VLSI chip design and design process, control mechanisms in Ulysses, and the use of artificial intelligence (AI) in design environments. An example design task is also presented.
This book is comprised of 10 chapters and begins with an overview of VLSI computer-aided design (CAD), focusing on an expert system based design environment aimed at solving the CAD tool integration problem. An example CAD tool suite for such an environment is presented. The next chapter describes prior attempts at developing an integrated design environment, followed by a discussion on the computer-aided VLSI design process that motivated the development of the Ulysses design environment. The following chapters explore the use of AI techniques within Ulysses; the fundamental architecture of Ulysses; and the control mechanisms that govern the decision to execute various CAD tools, on particular files, within Ulysses. The implementation of Ulysses is also discussed. The final chapter demonstrates the feasibility of a knowledge-based design environment for VLSI chip design applications; the success of Ulysses at further automating the VLSI design process; and the usability of Ulysses as a VLSI design environment.
This monograph will be a valuable resource for systems designers and other practitioners in computer science and computer engineering.

Download and Read Free Online Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) Michael Bushnell

---

From reader reviews:

Gabriel Cleveland:

This Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) are reliable for you who want to be described as a successful person, why. The explanation of this Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) can be one of several great books you must have is actually giving you more than just simple studying food but feed an individual with information that possibly will shock your preceding knowledge. This book is handy, you can bring it everywhere and whenever your conditions in the e-book and printed kinds. Beside that this Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) giving you an enormous of experience for instance rich vocabulary, giving you trial run of critical thinking that we realize it useful in your day pastime. So , let's have it and revel in reading.

Thanh Johnson:

In this period of time globalization it is important to someone to acquire information. The information will make you to definitely understand the condition of the world. The fitness of the world makes the information easier to share. You can find a lot of referrals to get information example: internet, paper, book, and soon. You can see that now, a lot of publisher which print many kinds of book. The particular book that recommended to you personally is Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) this book consist a lot of the information in the condition of this world now. This book was represented so why is the world has grown up. The terminology styles that writer require to explain it is easy to understand. The writer made some study when he makes this book. That is why this book acceptable all of you.

Carolyn Franklin:

Do you like reading a book? Confuse to looking for your selected book? Or your book ended up being rare? Why so many issue for the book? But any kind of people feel that they enjoy regarding reading. Some people likes studying, not only science book but in addition novel and Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) or others sources were given information for you. After you know how the truly amazing a book, you feel would like to read more and more. Science book was created for teacher or students especially. Those guides are helping them to increase their knowledge. In different case, beside science reserve, any other book likes Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) to make your spare time considerably more colorful. Many types of book like this.

Leslie James:

Reserve is one of source of knowledge. We can add our knowledge from it. Not only for students but

additionally native or citizen need book to know the upgrade information of year for you to year. As we know those ebooks have many advantages. Beside most of us add our knowledge, could also bring us to around the world. With the book Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) we can consider more advantage. Don't someone to be creative people? To become creative person must prefer to read a book. Only choose the best book that suited with your aim. Don't become doubt to change your life at this book Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing). You can more desirable than now.

Read Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell for online ebook

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell 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 Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell books to read online.

Online Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell ebook PDF download

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell Doc

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell Mobipocket

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell EPub

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell Ebook online

Design Automation: Automated Full-Custom VLSI Layout Using the ULYSSES Design Environment (Perspectives in computing) by Michael Bushnell Ebook PDF