

# *Synopsys Design Compiler Manual*

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## **Synopsys Design Compiler Manual**

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## **User Guide - National Cheng Kung University**

In this tutorial you will gain experience using Synopsys Design Compiler (DC) to perform hardware synthesis. A synthesis tool takes an RTL hardware description and a standard cell library as input and produces a gate-

## **RTL-to-Gates Synthesis using Synopsys Design Compiler**

will learn more about what Design Ware components are available and how to best encourage DC to use them. The following documentation is located in the course locker (~cs250/manuals) and provides additional information about Design Compiler, Design Vision, the Design Ware libraries, and the Synopsys 90nm Standard Cell Library. dc-user-guide ...

## **RTL-to-Gates Synthesis using Synopsys Design Compiler**

As part of Design Compiler, Synopsys provides a graphical interface called Design Analyzer and a command line interface call dc\_shell. The dc\_shell supports two scripting languages - dcsh, which uses the Synopsys language, and dctcl, which uses Tcl (Tool Command Language). It is recommended that Design Analyzer be used for most of the ...

## **Synopsys Design Compiler Tutorial - CAE Users**

DDesign Compiler Tutorial Using Design Vision Version D-2010.03esign Compiler Tutorial Using Design Vision D-2010.03 What's New in This Release Information about new features, enhancements, and changes, along with known problems and limitations and resolved Synopsys Technical Action Requests (STARs), is available in

## **Design Compiler Tutorial Using Design Vision**

Synopsys Design Compiler Reference Manual or Design Analyzer Reference Manual; DesignWare FLEX 8000 Synthesis Example (Optional) View the optimized project with the Design Analyzer. The Design Analyzer uses the altera.sdb library to display optimized projects generated by the Design Compiler or FPGA Compiler.

## **Using Synopsys Design Compiler or FPGA Compiler & MAX+PLUS ...**

Browse our comprehensive catalog of hands-on training and education for for Synopsys products, services and methodologies. Silicon Design & Verification. Silicon IP. ... < Silicon Design & Verification. Silicon Design & Verification < Products. ... NEW FreeView IC Compiler II: Block-level Implementation eLearning.

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documentation to doc@synopsys.com Synthesis Quick Reference Version 2002.05, June 2002 synqr.book Page i Thursday, May 23, 2002 4:42 PM ... electronic, mechanical, manual, optical, or otherwise, without prior written permission of Synopsys, Inc., or as expressly provided by the license agreement. ... Invokes the Design Compiler shell in dctcl ...

## **Synthesis Quick Reference - University of California, San ...**

RTL-to-Gates Synthesis using Synopsys Design Compiler 6.375 Tutorial 4 March 2, 2008 In this tutorial you will gain experience using Synopsys Design Compiler (DC) to perform hardware synthesis. A synthesis tool takes an RTL hardware description and a standard cell library as input and produces a gate-level netlist as output.

## **RTL-to-Gates Synthesis using Synopsys Design Compiler**

Basic Synthesis Flow and Commands • Technology Libraries • Design Read/Write • Design Objects • Timing Paths ... Design Compiler Optimized Netlist Design is mapped to gates from target\_library. Logic Synthesis ... • db — Synopsys internal database format (smaller and loads faster than netlist) ...

## **Basic Synthesis Flow and Commands - BGU**

Training Course of Design Compiler REF: • CIC Training Manual – Logic Synthesis with Design Compiler, July, 2006 • TSMC 0.18um Process 1.8-Volt SAGE-XTM Stand Cell Library Databook September 2003 • T. -W. Tseng, “ARES Lab 2008 Summer Training Course of Design Compiler”

## **Training Course of Design Compiler [ ]**

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## **TetraMAX ATPG Quick Reference - UTEP**

Automated Synthesis from HDL models Design Compiler (Synopsys) Leonardo (Mentor Graphics) Front-End Design & Verification. Create Behavioral/RTL HDL Model(s) Simulate to Verify. Functionality. Synthesize. Circuit. Synopsys Design Compiler. Cadence RTL Compiler. Leonardo Spectrum. Xilinx/Altera (FPGA) ModelSim (digital) VHDL-AMS. Verilog-A ...

## **Automated Synthesis from HDL models - Auburn University**

Synopsys® Interface Manual ispLEVER® version 3.0 For Use With Synopsys® FPGA Compiler™ or Design Compiler™ Version 1999.05, 1998.08, or higher VHDL Compiler™ or HDL Compiler™ version 1999.05, 1998.08, or higher, ORCA 2002, and ispLEVER 2.0 and higher Technical Support Line: 1-800-LATTICE or 408-826-6002 (international)

## **ORCA® Synopsys® Interface Manual - Lattice Semiconductor**

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## **Synopsys FPGA Synthesis - Microsemi**

Physical Design using IC Compiler (ICC). Back - end design of digital Integrated Circuits (ICs). ... Synopsys Design Compiler Synthesis Lecture (2013) - Duration: 49:55.

## **Synopsys IC Compiler (ICC) basic tutorial**

Synopsys Design Compiler Cadence EDI Cadence Composer Schematic Cadence Virtuoso Layout CCAR AutoRouter Your Library Verilog sim Verilog sim Behavioral Verilog Structural Verilog Circuit Layout LVS Layout-XL Design Compiler Synthesis of behavioral to structural Three ways to go: 1. Type commands to the design compiler shell

## **Design Compiler Design Compiler - Basic Flow**

Synopsys® Custom Compiler® to Calibre® Interactive™ and Calibre RVE™ Synopsys Custom Compiler provides the ability to call batch Calibre through the standard interfaces. This integration is built and maintained by Synopsys, and documented in the Synopsys Custom Compiler user manual.

## **Synopsys - Mentor Graphics**

RTL-to-Gates Synthesis using Synopsys Design Compiler CS250 Tutorial 5 (Version 092509a) September 25, 2009 Yunsup Lee In this tutorial you will gain experience using Synopsys Design Compiler (DC) to perform hardware synthesis. A synthesis tool takes an RTL hardware description and a standard cell library as input

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