



NEWS LETTER

November 2012

Automatic Reporting Mechanism

After a Crossfire run or after selecting the desired message database a HTML report can be generated with the "HTML Report" button at right-hand side in the Crossfire GUI.

HTML reporting: Top Level

The Top Level report will show all the rules that are run in Crossfire. The table will show at the left column all the rule numbers. Hovering over the rule number will show the rule name for that check. In the rows we will find the number of waived messages. The number of setup warnings, warnings, errors and fatals

Clean checks or checks without any errors or warnings will also be displayed. Combined it creates a complete "test report"

Rule number	Duration	waive	setup_warning	warning	error	fatal
61	1.731 sec	0	0	0	0	0
611,61		0	0	1	0	0
Rule 611,61 arc presence check for "Verilog-Arcs-Timing": Rule 611,61				0	4	0
Total	2.783 sec	0	0	1	4	0

Detailed "Rule reports" are just a click away.

HTML Reporting: Rule Report

The Rule report will show ALL the formats that have been checked, with or without errors or warnings.

Format ID	waive	setup_warning	warning	error	fatal
NLDM-synopsys-UT_LP_AM06_T100.lib	0	0	0	0	0
Parsing-synopsys-NLDM-synopsys-UT_LP_AM06.lib	0	0	0	0	0
Parsing-synopsys-NLDM-synopsys-UT_LP_AM06_T100.lib	0	0	0	0	0

Generate HTML Report: command line

The HTML report can also be generated with the command-line tool: "report"

Crossfire Updates

Recently Crossfire has been improved in various areas:

- Full summaries and HTML reports for all checks available
- OASIS format supported for Crossfire IP
- STIL/CTL format supported for Crossfire IP
- CCSN supported for Crossfire



About Crossfire

Crossfire reports mismatches or modelling errors for Libraries and IP that can seriously delay an IC design project.

Library and IP integrity checking has become a mandatory step for a “state of the art” deep submicron design because of:

- The sheer number of different views
- The complexity of the views (ECSM, CCS)
- The loss of valuable design time
- Time to market

Crossfire helps CAD teams and IC designers achieving a high quality of design data in a short time.

Crossfire assures that the information represented across the various views is consistent and does not contain anomalies.

Crossfire usability features

- Graphical setup creation & run environment as well as batch runs
- Powerful hierarchical configuration language supporting macro functions
- Graphical debugging (message > double click > open relevant views)
- Graphical output filtering (zoom in on cells/formats/error-types)
- Waiving mechanism
- HTML reports
- Automatic setup generation
- Generic setups

Crossfire integration features

API for creating database independent checks, available in: Perl, Tcl and Python
Existing customer validation scripts can be integrated

Visualisation messages/results from customer scripts (double click opens message)

Crossfire Interview

Visualization and browsing of database contents

Opens e.g. LEF, GDS, CDB, OA and Milkyway views in a single window

About Fractal Technologies

Fractal Technologies is a privately held company with offices in San Carlos, California and Eindhoven, the Netherlands. The company was founded by a small group of highly recognized EDA professionals.

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