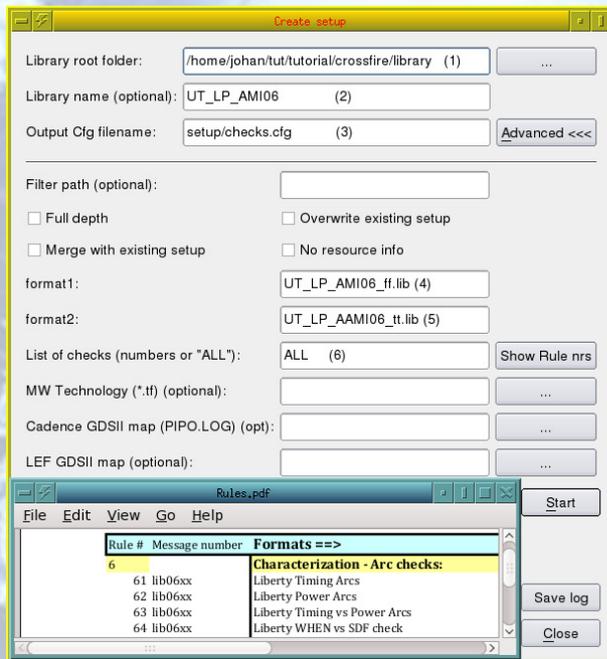# News Letter August 2011

Crossfire Automatic Setup extended with new features to improve ease of use

Creating a new setup has always been an important feature to start using Crossfire. To create a new setup you only need to browse and click for your root folder (1), give the name of the library (2) and provide an output CFG name (3).

This way you can create an automatic setup within 5 minutes and immediately start using the 100+ checks standard included in Crossfire.

The setup wizard is also able to create a setup for just 2 formats (4), (5). This will allow for a fast comparison between 2 formats.

It is also possible to activate ALL or just a desired subset of checks (6)

Other new checks and features in Crossfire

- Support for Verilog2001
- Liberty pg_pins now fully supported
- Pin Location check: Allows to check if text labels in GDSII are correctly placed on basis of the physical location in e.g. the LEF format.
- "TermOrder" check now available for OpenAccess
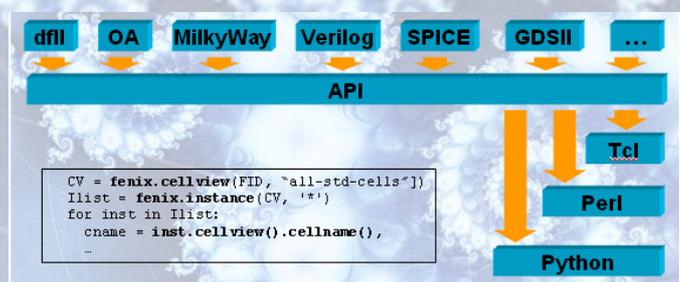- Users can append an existing crossfire message with their own message.

Crossfire used in design flow

Feedback from customers shows that Crossfire can be used to reduce the design cycle.

The new feature that allows creating a setup for only 2 formats makes it possible to check on the fly the correctness and quality of for example a new .lib file. Users have indicated that the design cycle can be reduced by weeks.

Crossfire API functionality:

Crossfire includes an API which allows you to integrate existing internal test into the Crossfire environment and also allows you to add extra tests in an easy way. Our API supports perl, tcl and python.

About Crossfire

Mismatches or modelling errors for Libraries or IP can seriously delay an IC design project. Because of the still increasing number of different views required to support a state of the art deep submicron design flow, as well as the complexity of the views themselves, Library and IP integrity checking has become a mandatory step before the actual design can start.

Crossfire helps CAD teams and IC designers in performing integrity validation for Libraries and IP. Crossfire makes sure that the information represented in the various views is consistent across the views and does not contain anomalies originating from e.g. failing characterization scripts.

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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