POLITECNICO DI TORINO
Repository ISTITUZIONALE

Tools for the Analysis of Simulation Dumps and the Evaluation of Burn-In Techniques

(Article begins on next page)

18 October 2022
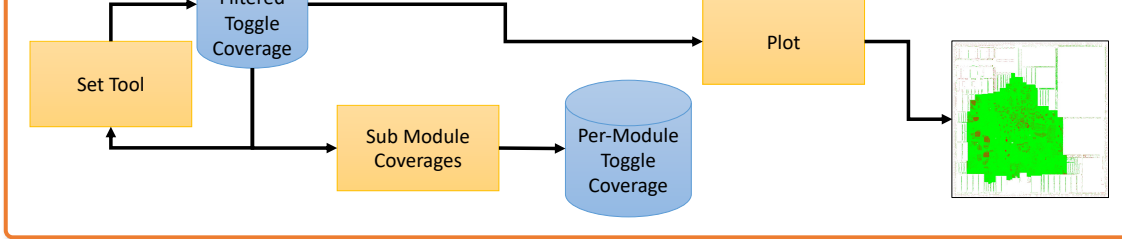
Set Tool

Given a set of results from the analysis and filtering, the set tool provides:

- A display of a confusion matrix showing the percentage of unique toggle coverage for each file.

- A set of files showing unique toggles for each gate or bus.

- A set of files grouping gates and buses by number of toggles up and down.

- A single merged coverage file, providing the overall coverage.

The Statistical to
used to assess th
circuit on the So
for avoiding redu

The Multiple-po
the controllabilit
gates, implying a

We will focus on

Plot and Sub

Given the mappi
cells, it plots the
one of them.

The Sub Module
the coverage for
results. It shows
different approac
the circuit.
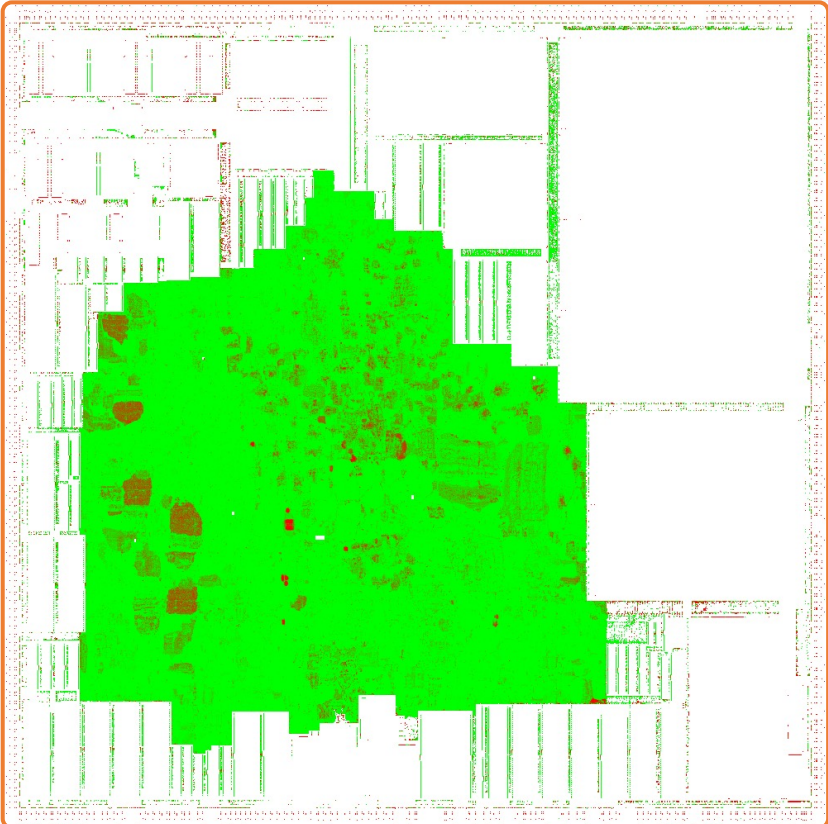
Conclusi

We propose a toolchain for Burn-In
processing of the simulation result

This toolchain is flexible and uses a
pass data, allowing to add more an

We carefully optimized the most c
memory, reducing the time neede
days to hours.