



SPECADOR

Documentation Generator

- For SystemVerilog, Verilog, Verilog-AMS, e, and VHDL

Well organized documentation in no time

Sub-Modules ▾

```
wb_interface : uart_wb
regs : uart_regs
└ transmitter : uart_transmitter
  └ fifo_tx : uart_fifo
    └ tffifo : raminfra(fifo_pointer_w, fifo_width, fifo_depth)
└ i_uart_sync_flops : uart_sync_flops
└ receiver : uart_receiver
  └ fifo_rx : uart_fifo#(11)
    └ tffifo : raminfra(fifo_pointer_w, 8, fifo_depth)
dbg : uart_debug_if
```

Instances ▾

```
apb_subsystem_top : apb_subsystem_top
└ i_apb_subsystem : apb_subsystem_0
  └ i_oc_uart0 : uart_top
  └ i_oc_uart1 : uart_top
```

Flow Diagram ▶

BENEFITS

- Generates well organized and effective documentation, even from limited source code comments
- Integrates easily into existing development flows, allowing design and verification groups to automate the documentation process
- Keeps the generated documentation in sync with the source code, saving time and reducing maintenance costs
- Enhances IP packaging
- Simplifies and encourages documenting the source code

OVERVIEW

Specador is a tool that automatically generates accurate HTML documentation from comments inserted in the source code. It works in batch mode (command line) and uses dedicated language parsers.

The tool enables your design and verification engineers to effortlessly generate and maintain proper and well-organized documentation. Users can generate meaningful documentation of a design or verification environment even from poorly documented source code, because Specador compiles the code and generates cross-linked class inheritance trees, design hierarchies, and diagrams.

This documentation generator can be integrated easily into existing development flows. The documentation is always in sync with the source code, thus eliminating meticulous and problematic tasks such as maintaining diagrams or updating lists of ports or functions to reflect the current revision number.

Specador is especially useful for packaging IPs, either for the IP providers or for those using an IP-oriented flow in their company.

Specador recognizes both Javadoc and Natural Docs syntax, which can be used to write the documentation comments as desired, in order to enhance the readability of the HTML output.

Users have the ability to search in the documentation generated with Specador

