

Verilog-A

Release Notes

11/30/11

RELEASE NOTES

VERSION 2.0.42

ALTERATIONS AND ENHANCEMENTS

- Build library without the fast math library on Linux

VERSION 2.0.41

NEW FEATURES

- Probabilistic distribution system functions (\$random and \$rdist_*)
- Support encrypted Verilog-A source file
- Noise table
- last_crossing() function
- Z-transform filters
- Support ground net

ALTERATIONS AND ENHANCEMENTS

- Resolve incorrect result when input port current is used as output contribution
- analysis('ic') should return 1 in transient op analysis
- Return zero(0) rather than give error if the argument of analysis() function is unknown
- Make ac_stim() function returns zero(0) in non-ac analysis
- Handle limiting when nested user-defined function is used
- Convert real to integer with rounding other than truncating
- Check the number of arguments of \$table_model()
- VADebugger no longer invoke multiple windows when running in multi-threaded mode

VERSION 2.0.40

NEW FEATURES

- Multiple-module debug support in VADebugger
- VADebugger supports setting of conditional break point with 'New Breakpoint' function

ALTERATIONS AND ENHANCEMENTS

- Allow modification as well as removal of conditions of conditional expression for an existing breakpoint

VERSION 2.0.39

NEW FEATURES

- Access internal variables declared with attribute
- ALIASPARAM
- \$limit() function
- cross() and above() functions

ALTERATIONS AND ENHANCEMENTS

- Create a separate process for Verilog-A parser to get additional memory space on 32-bits platforms

VERSION 2.0.38

ALTERATIONS AND ENHANCEMENTS

- User's dll can not be compiled properly because an internal function is not generated correctly

VERSION 2.0.37

NEW FEATURES

- First release of VADebugger
- \$table_model() function
- genvar/generate statement
- Add option '-no_recompile_for_collapsed_nodes' to skip optimization in setup session

- Add option '-no_opt' to skip all optimizations

VERSION 2.0.36

ALTERATIONS AND ENHANCEMENTS

- Improve math protection mechanism for better convergence

VERSION 2.0.35

ALTERATIONS AND ENHANCEMENTS

- Add option '-no_op' to avoid creating the operating point calculation routine
- Add option '-c_opt_options=-O2' which sets optimization flag to -O2 instead of -O3 (which is the default) for user's dll compilation