

SharkSim Release Notes

Overview

The following notes describe the changes made for the recent release of the SharkSim application.

2.2.2 Release Notes (March 2011)

1. Fixed Spectre .print file location on Linux.
2. Updated license manager GUI for node locked and floating LAN support.
3. Fixed issue with wSolver and HSPICE not placing RLGC files in working directory location.
4. Added support for running batch simulations in topology editor.
5. Updated noise and timing margin budget GUIs to support HTML report generation.
6. Added support for embedded MSIM option (Windows only.)
7. Fixed issue with waveform viewer not being able to load custom differential parameter node names.
8. Fixed issue with coupled and differential RLGC model formats not being in correct numeric format in wSolver.
9. Fixed issue with multiple IBIS TX/RX components in topology editor causing netlist error.
10. Added ability to probe IBIS TX die pin in topology editor.

2.2.1 Release Notes (Jan 2011)

11. Added support for Open Source model types in Spice to IBIS Translation section.
12. Enhanced GUI state file in Spice to IBIS and Create Buffer Model GUI's so same data set can be used across GUI windows for increased productivity and efficiency.
13. Fixed issue with using RC parallel loads in Test Data where Vterm variable was not being saved to [Test Load] parameter.
14. Added IBIS to SPICE subcircuit conversion GUI that will generate subckt file with correct IBIS calls for HSPICE and Eldo. This is to support SharkSim PCB topology editor in upcoming release.
15. Added support for analog switches. Added DC IV SPICE to IBIS generation for analog switch that supports NMOS, PMOS, and NMOS/PMOS parallel. Added Series and Series_switch type models to Create Buffer Model GUI. Added generic switch support in quality checking and correlation simulation for HSPICE and Eldo as well.

16. Added support for creating Terminator buffer models with clamp IV curves to support analog switch models.
17. Added support for LTSpice for SPICE to IBIS generation for AC IV only.
18. This release includes the SharkSim PCB features if included with license.

2.0.6 Release Notes (April 2010)

19. Fixed Ground and Power Clamp .print file issue for Spice to IBIS generation files for DC analysis.
20. Added Spectre .scs extension in filepath browser in SPICE to IBIS Translation GUI.
21. Fixed input Power Clamp runtime issue with Spectre in SPICE to IBIS Translation GUI.
22. Fixed typo in IBIS Component Header for L_pkg parameter to be in nH instead of nF.

2.0.5 Release Notes (March 2010)

23. Cadence Spectre SPICE support added for SPICE to IBIS generation.
24. IBIS Open Source model types were added to the Create Buffer Model GUI for SPICE to IBIS generation.
25. The quality check HTML results table was updated to account for all of the IBIS Quality 2.0 Specification checks.

2.0.4 Release Notes (February 2010)

26. The 2.0x release of SharkSim contains numerous bug fixes and enhancements and the following release notes highlight's some of the major changes and updates.
27. The GUI manager for the Linux version has been overhauled and updated to provide a more consistent look and feel across different Linux versions and window managers.
28. Save and load states have been added to the SPICE to IBIS Generation GUI's to allow users to save and load states without losing information.
29. Support for graphing of Series Switch elements.
30. Frequency sweep added for C_comp extraction.
31. Compliance and support for IBIS Quality Specification 2.0 checking.
32. Advanced quality check report editing and reporting added.