

Expert

Release Notes

03/14/12

RELEASE NOTES

VERSION 4.10.3

ALTERATIONS AND ENHANCEMENTS

- Baseline Release

VERSION 4.8.29

ALTERATIONS AND ENHANCEMENTS

- Enable "Show unfinished nets only" and "Show shorted nets only" commands to work with EIP
- Allow stretching of wire objects divided by "Add Jog Points" command in "Gravity" mode

VERSION 4.8.28

NEW FEATURES

- "Auto label" for "3D Image" tool

ALTERATIONS AND ENHANCEMENTS

- Improve export to GDSII files for cells with large polygons (hundreds of vertices)
- Add "Description" field for PCell parameters
- Add to JavaScript API new functions for management of pin names for LEF files

VERSION 4.8.27

ALTERATIONS AND ENHANCEMENTS

- Add new Gravity toolbar to GUI
- Add Help menu links to Guardian User's Manuals
- Increase accuracy of drawing of instances during copy/move operations
- Optimize clip-in operations for very large (>1Gb) layouts

VERSION 4.8.26

NEW FEATURES

- New "Double via" feature
- New feature "View clip-out with labels" for "3-D Image" tool
- New feature "View 2D by cut-line" for "3-D Image" tool

ALTERATIONS AND ENHANCEMENTS

- Enhancement of accuracy of "Cut By Vertices Count" tool
- Add to GUI option "View"→"Zoom"→"Store full zoom history"

VERSION 4.8.24

ALTERATIONS AND ENHANCEMENTS

- Add to GUI new option in "Technology"→"General" setup page
- Modify Real-Time DRC engine to prevent potential crash on Linux
- Improve accuracy and speed of undo/redo/preview operations with 45° wires
- Improve loading of "layer rules" files created by old versions of Expert
- Enhance Pcell calculation algorithm to prevent potential crash on complex Pcells

VERSION 4.8.23

NEW FEATURES

- Add support of encrypted LISA/JavaScript files

ALTERATIONS AND ENHANCEMENTS

- Add new command line parameters "-mnu" and "script"
- Add to JavaScript API new function "compilePCell"
- Add to JavaScript API new property "Cell.type"

- Change return value of "rectUI" function in JavaScript API

VERSION 4.8.21

NEW FEATURES

- Add Open Access database support for Windows platform

ALTERATIONS AND ENHANCEMENTS

- New "Intersections" option for "Gravity" mode
- Add display of parasitic resistance for metal wires
- Add to GUI checkboxes to editing window of Pcell boolean parameters
- Add to GUI new "Defaults" button in "Instance" dialog window
- Add to JavaScript API new functions
 - "compareCells"
 - "layerRuleValue"
 - "Layer.ruleValue"
- Add to JavaScript API new property "layoutObject.positionGlobal"

VERSION 4.8.20

NEW FEATURES

- Now Expert can run all type of HIPEX extraction in batch mode

ALTERATIONS AND ENHANCEMENTS

- Add to JavaScript API new property "Cell.hpxStatus"
- Add to JavaScript API new functions for work with Hipex:
 - "loadLpeOptions"
 - "saveLpeOptions"
 - "runLpe"

- "runHipex"

VERSION 4.8.19

ALTERATIONS AND ENHANCEMENTS

- Replace combo-boxes for boolean properties in GUI dialog windows with check-boxes
- Add new option "Shorted nets rule" to "Assist" mode
- Increase of loading speed of GDSII files by 35%-45%
- Add new parameters to JavaScript API "createForm" function
- Add to JavaScript API new functions:
 - "modifyCorner"
 - "modifyCornerSelection"
 - "recalculateDomain"
 - "runLisa"
 - "runLisaCmd"
- Add to LISA API new functions
 - "modify corner"
 - "RUN_JS"
 - "RUN_JS_CMD"

VERSION 4.8.15

NEW FEATURES

- Transmit of net names in SDL

ALTERATIONS AND ENHANCEMENTS

- Add new rule "Min same net spacing" to "Assist" mode
- Add new option "Compress project upon closing" to "Data Safety" GUI setup page
- Add cell name filter to "Project Tree" GUI window

VERSION 4.8.8

NEW FEATURES

- Add to GUI new "Snap wire to pin" mode and popup window for wire creation
- Add to GUI new tool "Split"→"Array By Line"

ALTERATIONS AND ENHANCEMENTS

- New mode for copying of selected objects
- New option in "Editing" setup page for restoring of viewing status on exit from EIP mode
- Add several new options to "Technology"→"General" setup page
- Add to JavaScript API new function "setCellStatus"
- Add to JavaScript/LISA API new system variable "\$\$args"