SpiceVision PRO 6.0.0

The new features in this SpiceVision PRO release are:

* Dynamically elide long object names in the Schem and Cone window.
* Add history buttons to the Schem window.
* New keyboard shortcuts Control-PgUp and Control-PgDn to switch
  between the Schem, Cone,S/C and Source tab of a Visualizer.
* Hierarchical instances in the Cone window with contents now
  display a fold/unfold button in the top left corner.

In addition, the following features were fixed and/or added:

* The Connectivity Lens now displays all connections independent
  from the pin direction.
* The Spice parser separates nested sub-circuits and models using
  the "@" character (was a dot before).
* Fix Skill Export with elided object names.
* Fix Skill Export with special characters in object names.
* Enhance the visualization of RC networks in the Parasitic window.
* Fix toggling of coupling connections in the Parasitic window.
* Support case sensitive net names in the DSPF and SPEF parser.
* Fix wrong syntax error reported by the SPEF parser for *N
  statements of a D_NET.
* Relax the syntax checking of the SPEF parser for the *CONN
  section of a D_NET.
* Fix the Spice parser option short RES for negative
  resistance values.
* Added "MN3" and "MP3" to the Spice parser option "-subckt2dev"
  to support threeterm devices.
* Fix missing symbol mapping if "fold all recognized gates" is
  turned on.
* Fix Skill export: all attributes and attribute displays at symbol
  pins, instances, ports, pins and nets are now exported correctly.
* Fix Skill export: the font size for all text displays and labels
  corrected. The font size can now be adjusted by modifying the
  variable GeFontScale in the generated Skill file.
* Enhance the database API and add "$db reloadParasitic" to reload a
  parasitic module.
* Enhance the database API and add "$db foreach couplingPort" to loop
  over all coupling connections and "$db foreach couplingInst" to loop
  over all coupling instances of a parasitic module.
* Fix the database API command "flag -db" for pins.
* Add support for sourcing gzipped Tcl files using the
  "zdb source" command.
* Add the option to the Preferences dialog to toggle the drop shadow
  effect on instances in the Schem and Cone window.
* Extend the GUI API and add Gui:AddConeBookmark to add a bookmark
  in the Cone window.
* Extend the GUI API and add Gui:ShowConeBookmark to show a
  previously added bookmark in the Cone window.
* Extend the GUI API and add Gui:DeleteConeBookmark to delete
  a bookmark in the Cone window.
* Extend the GUI API and add Gui:SaveConeBookmark to save
  a bookmark file in the Cone window.
* Extend the GUI API and add Gui:OpenConeBookmark to restore
  a bookmark file in the Cone window.
* Extend the GUI API and add Gui:ShowConsole to toggle

the visibility of the Console window.
* Extend the GUI API and add Gui:ClearParasitic to delete all objects
  from the Parasitic window.
* The GUI API procedure Gui:DataBaseModified now also updates
  the Parasitic window.
* The number of items below a design info node in the Tree window
  can be configured.
* Enhance the $db clone API function and add support to skip
  flagged instances in the module to be cloned.
* Fix "too many colors" error while saving a Save Schematic
  as Image on Windows.
* Fix displaying net and netBus attributes at the wire.
* Fix the rename operator for parasitic modules.
* Show direction for pins in the Infobox.
* New cloneDB command to clone a database.
* The cloneDB command also supports cloning into an existing database.
* All *2zdb batch parser now support the command line option -binlib
  multiple times.
* Long lines are wrapped in the Console window.
* Avoid error while typing in the Console window.
* Add errorInfo to error messages displayed in the Console window.
* Add support for Flexid-9 (Dongle) license server hostids.
* Drop support for RHEL 4 and older.
* Upgrade FlexLM license mechanism to flexnet-11.12.
* Changed cadence2symlib.il to support portBus and add inline
  description.
* Add new symlib keyword "symmap" to support better module
  symbol mapping.
* Added -delzombies the operator $db oper rmhier.
* Extend the database command $db write verilog and add the
  option "-ignoreautogen" to skip all auto generated cells.
* Changed the options of the "$db write" command for "tcl",
  "spice", "verilog", "dspf" and "spef".

SGvision PRO 5.10.18

The new features and bug fixes in this SGvision PRO release are:

* Add new Connectivity Lens to the Schem and Cone window to show
  detailed connectivity information for pinBus and portBus objects.
* Speed-up reading large DSPF files.
* Add support to recreate hierarchy also for DSPF and SPEF netlists.
* Fix the recognize gate option for the DSPF and SPEF parser.
* Fix reading DSPF files with dot as the divider character.
* Fix segmentation fault in the DSPF and SPEF parser.
* Fix name clash when a design instance name conflicts with a
  connected parasitic net name.
* Enhance matching nets in an attached parasitic file.
* Fix dropping objects from a parasitic source file displayed in the
  Source window into the Parasitic window.
* Speed-up loading the RC network for a large list of nets in the
  Parasitic window.
* Fix Skill export in combination with the guess bus option
  of the Spice parser.

* Fix error handling in evaluated Userware scripts.
* Fix page splitting in the Cone window.
* Fix displaying net and netBus attributes at the wire.
* Fix toggling the display of port and portBus names.
* Avoid syntax error reported by the Verilog netlist
  parser (verilog2zdb) while reading Verilog 2001 attributes.
* Do not flag Verilog transfer gate primitives as transistor devices.
* Add support for dropping signal OIDs into the Wave window.
* Display the direction of pin and port objects in the tooltip label.
* Count hidden NC pins in an extra list in cone export dialog.
* The default instance name displayed in the Schem and Cone window
  can be overwritten using the '@name' attribute.
* The GUI API procedure Gui:DataBaseModified keep objects selected
  in the Schem and Cone window.
* Extend the GUI API and add RegisterDesignReady to register
  callbacks to be executed after all design files have been read.
* Extend the GUI API and add RemoveRegisteredDesignReady to remove
  a previously registered callback.
* Extend the GUI API and add GotoSourceLine to goto the given file
  and line in the Source window.
* Extend the GUI API and add GetAllVisualizers to get a list
  of all active Visualizers.
* Fix foreach loop over all opened databases to allow closing the
  current database.
* Fix the OID API command '$db oid convertTo pinBus'.
* Enhance the database API command 'flag -db set' to set a named
  flag at all database objects.
* Enhance the database API setPrimitive to set modules flagged with
  the new leafcell flag as primitives.
* Enhance the database API and add the command info binfile to get
  the name of the binfile associated with the database.
* Fix the error handling for the 'flatflag $oid is' API command.
* Set the value of tcl_interactive to true for Userware scripts
  sourced from the Console window.
* Do not overwrite the errorInfo value in the Console window.
* Enhance the '$db write -verilog' API command to change priority
  for needed name changes.
* Enhance the Cone Extraction API and add the option '-ignoreDir'
  to ignore the module port direction while searching the cone result.
* Enhance the database API to examine the connectivity and add
  the 'foreach pinCon' and 'foreach portCon' to get only pins or
  ports connected to the given net object.
* Enhance constant value support at signals. Now the signal defines
  a value if one interconnected net has a constant value.
* Enhance the database API command flag to clear a named flag at
  all database objects.
* Extend the database API and add the command oid concat to convert
  a hierarchical instance OID to a tree base pin oid by appending a
  module based pin OID or a relative path to a pin.
* Extend the database API and add the command oid exists to check if
  an OID exists in the database.
* Extend the Operator API and add the command oper connect to
  connect a pin or port to a net.

RTLVision PRO 6.0.0

The new features in this RTLvision PRO release are:

* New unified file open dialog to read in files of any type.
* Dynamically elide long object names in the Schem and Cone window.
* Add history buttons to the Schem window.
* New keyboard shortcuts Control-PgUp and Control-PgDn to switch
  between the Schem, Cone,S/C and Source tab of a Visualizer.
* Hierarchical instances in the Cone window with contents now
  display a fold/unfold button in the top left corner.

In addition, the following features were fixed and/or added:

* The Connectivity Lens now displays all connections independent
  from the pin direction.
* Add support for scrolling with the middle mouse button in the
  Wave window.
* Enhance support for bus members in the Wave window.
* Add support to drop module based OIDs (e.g. from the Source window)
  to the Wave window.
* Modules created by the "Add Hierarchy for Processes" (-prochier)
  option compiled into a library not named "work" are no longer
  flagged as library cells.
* Add new command line option -createuniqconsts to the Verilog
  parser to create unique nets for each constant pin connection.
* Add new command line option -createuniqconsts to the RTL parser
  to create unique nets for each constant pin connection.
* Fix reading Edif or RTL files if the environment variable
  FLEXLM_DIAGNOSTICS is set.
* Fix the database API command "flag -db" for pins.
* Add support for sourcing gzipped Tcl files using the
  "zdb source" command.
* Add the option to the Preferences dialog to toggle the drop shadow
  effect on instances in the Schem and Cone window.
* Extend the GUI API and add Gui:AddConeBookmark to add a bookmark
  in the Cone window.
* Extend the GUI API and add Gui:ShowConeBookmark to show a
  previously added bookmark in the Cone window.
* Extend the GUI API and add Gui:DeleteConeBookmark to delete
  a bookmark in the Cone window.
* Extend the GUI API and add Gui:SaveConeBookmark to save
  a bookmark file in the Cone window.
* Extend the GUI API and add Gui:OpenConeBookmark to restore
  a bookmark file in the Cone window.
* Extend the GUI API and add Gui:ShowConsole to toggle
  the visibility of the Console window.
* The number of items below a design info node in the Tree window
  can be configured.
* Enhance the $db clone API function and add support to skip
  flagged instances in the module to be cloned.
* Fix "too many colors" error while saving a Save Schematic
  as Image on Windows.
* Fix displaying net and netBus attributes at the wire.
* Rename the Cone Extraction API option "-diveEmpty"
  to "-emptyModAsPrim".
* Show direction for pins in the Infobox.
* New cloneDB command to clone a database.
* The cloneDB command also supports cloning into an existing database.
* All *2zdb batch parser now support the command line option -binlib

multiple times.
* Long lines are wrapped in the Console window.
* Avoid error while typing in the Console window.
* Add errorInfo to error messages displayed in the Console window.
* Add support for Flexid-9 (Dongle) license server hostids.
* Drop support for RHEL 4 and older.
* Upgrade FlexLM license mechanism to flexnet-11.12.
* Add support for net targets to the -reachable option
  of the cone extraction API.
* Added -delzombies the operator $db oper rmhier.
* Extend the database command $db write verilog and add the
  option "-ignoreautogen" to skip all auto generated cells.
* Changed the options of the "$db write" command for "tcl",
  "spice", "verilog", "dspf" and "spef".

GateVision PRO 6.0.0

The new features in this GateVision PRO release are:

* New unified file open dialog to read in files of any type.
* Dynamically elide long object names in the Schem and Cone window.
* Add history buttons to the Schem window.
* New keyboard shortcuts Control-PgUp and Control-PgDn to switch
  between the Schem, Cone,S/C and Source tab of a Visualizer.
* Hierarchical instances in the Cone window with contents now
  display a fold/unfold button in the top left corner.

In addition, the following features were fixed and/or added:

* The Connectivity Lens now displays all connections independent
  from the pin direction.
* Add support for scrolling with the middle mouse button in the
  Wave window.
* Enhance support for bus members in the Wave window.
* Add support to drop module based OIDs (e.g. from the Source window)
  to the Wave window.
* Add new command line option -createuniqconsts to the Verilog
  parser to create unique nets for each constant pin connection.
* Fix reading Edif files if the environment variable
  FLEXLM_DIAGNOSTICS is set.
* Fix the database API command "flag -db" for pins.
* Add support for sourcing gzipped Tcl files using the
  "zdb source" command.
* Add the option to the Preferences dialog to toggle the drop shadow
  effect on instances in the Schem and Cone window.
* Extend the GUI API and add Gui:AddConeBookmark to add a bookmark
  in the Cone window.
* Extend the GUI API and add Gui:ShowConeBookmark to show a
  previously added bookmark in the Cone window.
* Extend the GUI API and add Gui:DeleteConeBookmark to delete
  a bookmark in the Cone window.
* Extend the GUI API and add Gui:SaveConeBookmark to save
  a bookmark file in the Cone window.
* Extend the GUI API and add Gui:OpenConeBookmark to restore

a bookmark file in the Cone window.
* Extend the GUI API and add Gui:ShowConsole to toggle
  the visibility of the Console window.
* The number of items below a design info node in the Tree window
  can be configured.
* Enhance the $db clone API function and add support to skip
  flagged instances in the module to be cloned.
* Fix "too many colors" error while saving a Save Schematic
  as Image on Windows.
* Fix displaying net and netBus attributes at the wire.
* Rename the Cone Extraction API option "-diveEmpty"
  to "-emptyModAsPrim".
* Show direction for pins in the Infobox.
* New cloneDB command to clone a database.
* The cloneDB command also supports cloning into an existing database.
* All *2zdb batch parser now support the command line option -binlib
  multiple times.
* Long lines are wrapped in the Console window.
* Avoid error while typing in the Console window.
* Add errorInfo to error messages displayed in the Console window.
* Add support for Flexid-9 (Dongle) license server hostids.
* Drop support for RHEL 4 and older.
* Upgrade FlexLM license mechanism to flexnet-11.12.
* Add new symlib keyword "symmap" to support better module
  symbol mapping.
* Add support for net targets to the -reachable option
  of the cone extraction API.
* Added -delzombies the operator $db oper rmhier.
* Extend the database command $db write verilog and add the
  option "-ignoreautogen" to skip all auto generated cells.
* Changed the options of the "$db write" command for "tcl",
  "spice", "verilog", "dspf" and "spef".