

Software Press Releases

TracePro 6.0.7 highlights

Trace Pro Bridge for Solidworks Version 6.0.7 highlights

(Released on 1 September 2010)

- First TracePro Release since TracePro 4.1.8 in November 2008 to have an accompanying release of the TracePro Bridge for SolidWorks
- Fix crash during GRIN raytrace on submitted model. Also improve error and warning messages for GRIN
- Improvements to volume flux and bulk absorption calculations
- Fix boundary issue in Volume Flux calculations
- Properly refresh the Front Depth in the Rectangular Concentrator user interface
- Update: Always write out header information to *.sim files, even if no rays are incident on the exit surface. The Simulation File Manager will display an irradiance map with no rays instead of telling the user that the file is empty.
- Only create *.sim files for exit surfaces on objects included in the raytrace
- Handle cases where the current solid is not in the body map and the face name is not in the face map of the Bridge.
- Fix strange ray display when displaying <100% of rays
- For path sort file, report N paths with highest flux rather than first N paths
- Remove memory leak associated with RepTile
- Fix initialization issue with Coating DLL
- Fix luminance scale when all luminance values are the same
- Remove memory leak associated with birefringence
- Remove two memory leaks associated with database interaction
- Improve File|Open performance when reading OML files with long lines in the XML portion of the file
- Add software network license capability
- Improved messages when opening OML files from the Bridge
- Improved performance when opening OML files of large assemblies from the Bridge
- Fix incorrect error messages and tracing for 10-source limit in LC
- Fix irradiance map for reverse raytrace in simulation mode
- Fix issue with saving *.ies files with Unicode
- Fix export property default name
- Fix missing incident angle in LC
- Scheme Editor, launched from TracePro, now has access to its help file
- Check for database reserved character:
- Permit inserting hyperbolic trough reflectors through user interface
- Fix discrepancy between analysis mode and simulation mode fluorescence raytracing on supplied model
- Fix potential crash when fluorescence raytracing in simulation mode when writing files to disk
- Fix reported crash when running particular scheme command
- Ensure that all surface source properties are available during audit
- Detect if key drivers are not installed. Launch installer, if needed.

TracePro 6.0.6 highlights

(Released on 10 June 2010)

- Fix to macro recorder when inserting a thin sheet
- Display ray history table flux values according to Analysis units
- Fix fluorescence results when excitation source is in photometric units
- (analysis:refresh) now refreshes candela plots
- Remove rare memory leak
- (edit:rotate ...) can now handle the origin of object WCS as an argument
- Fix erroneous error message in LC stating that there are no sources to trace
- Fix import surface property initialization issue
- Change method for part identification for files coming from the Bridge
- Fix boolean issue that resulted in a crash
- Prevent color palette data overwrite
- Fix normalization issue on smoothed irradiance maps
- Add macro commands:
 - (analysis:get-current-irradiance-normalized-flux)
 - (analysis:get-current-irradiance-total-flux)
- Fix identified crash when deleting a wavelength when applying a fluorescence property
- Fix simulation file viewer issue identified on x64
- Fix issue with moving file sources
- Fix source copying issue
- Fix issue with reptile display of bumps and hole on older OML files
- Change format of raytrace report time
- Fix display issue with high resolution hidden objects
- Permit more types of arguments to change spectral type between discrete wavelengths and continuous wavebands in the following macro commands:
 - (raytrace:set-surface-source-discrete-wavelength)
 - (raytrace:set-surface-source-continuous-wavebands)
- Analysis-mode reverse raytrace irradiance maps limited to exit surfaces
- Demo mode cleanup
- Fix HOOPS error involving a data type
- Fix ran function in evaluator

TracePro 6.0.5 highlights

(Released on 29 April 2010)

- Fix analysis maps with reverse raytrace, multiple sources, analysis mode
- Fix potential hang with table BSDF
- Fix enhanced prism display
- Fix return values when executing commands (raytrace:get-incident-flux) and (raytrace:get-total-rays) with specified wavelengths
- Improve initial time estimate in progress dialog
- Increase limit on body and face names to accommodate concatenated names coming over from the Bridge
- Allow simulation file manager in LC edition
- Disable DDE for LC edition
- Refresh Apply Properties dialog properly in LC
- Updates to read new Bridge files
- Add support for old Bridge files
- Fix dll property problem with saving path
- Fixes for scheme view and pick commands
- Updates to log RepTile documentation
- Display error message returned by ACIS API
- Open proper property page when double-clicking in system tree
- Fix slow import for large surface property
- Fix corner cube RepTile display
- Include full precision for evaluator
- Fix log RepTile display
- Fix documentation – some evaluator commands missing from Help
- Fix values in legend and status bar on Irradiance Maps when Normalized to Emitted Flux is selected
- Fix identified crash with Spanish version
- Fix issue with elliptical BSDF scatter distribution
- Fix insertion issue with GRIN editor on x64
- Draw background for polarization maps
- Store reflector radius after modification

TracePro 6.0.3 highlights

(Released on 15 January 2010)

- Update volume flux file properly for multiple simulations
- Fix issue with copying sources in the system tree for x64
- Fix raysorting macro
- Remove string length limit
- Fix issue with fluorescence simulation
- Fix internal copying of thin film stack data
- Fix potential crash due to memory overwrite in finding material catalog
- Fix viewing vector when max to min ratio is very large
- Update copyright information
- Avoid numerical issues when checking two positions are the same

TracePro 6.0 new features/enhancements

(Released on 1 September 2009)

- Support for x64 processors
- New licensing technology
 - Standalone licenses use new SafeNet driver
 - Network licenses use SafeNet hardware key on server
- New Properties Database file based on SQL
- New RepTile geometry (TracePro Expert Only)
 - Log geometry available as constant, variable ring/row, and parameterized
 - Enhanced Prism geometry – hybrid of rounded prism and hip roof
- Enhanced Flux Report and Property Report
- Apply Properties dialog box redesigned
- *View/Preferences* and *View/Customize* dialog boxes combined
- *Insert/Reflector* dialog box now enables you to insert solid concentrators
- New menu selection: *Help/TracePro User Manual* which links to the current manual on www.lambdares.com

