

RayViz Revision History

RayViz 2024 Release (Version 24.1)

New: The material property catalog Nikon has been added.

Update: The HOYA material catalog has been updated with the latest glasses and data from the manufacturer.

Update: The Hikari material catalog has been updated with the latest glasses and data from the manufacturer.

Update: Updated with libraries from TracePro 2024 (Version 24.1)

RayViz 2023 Release (Version 23.5)

Update: Raytrace error - incorrect raytrace after editing SolidWorks Mate, toggling RayViz OFF then ON then traces correctly. R149

Update: Updated with libraries from TracePro 2023 (Version 23.5)

RayViz 2023 Release (Version 23.4)

New: The Surface Property catalog Acktar_coatings_2023 has been added to the factory fresh database.

Update: Help->License: Attach context file on email requesting educational license. Fix some issues with email from troubleshooter on emails that don't contain a context file. – T6927

Update: Open assembly file in SolidWorks - RayViz error message - Exception caught ... CTpbSwDoc::OnFileOpenPostNotify did not complete successfully. Occurs when a component in the assembly had duplicate solid names associated with external reference features. R144

Update: Updated with libraries from TracePro 2023 (Version 23.4)

RayViz 2023 Release (Version 23.3)

Update: Updated with libraries from TracePro 2023 (Version 23.3)

RayViz 2023 Release (Version 23.2)

Update: Updated with libraries from TracePro 2023 (Version 23.2)

RayViz 2023 Release (Version 23.1)

Update: Updated with libraries from TracePro 2023 (Version 23.1)

RayViz 2022 Release (Version 22.6)

Update: Updated with libraries from TracePro 2022 (Version 22.6)

Update: Update Help->License when no license is available to run RayViz. – T6471

Update: Reduce error messages with Check for Updates and updating license file when the computer running RayViz does not have an internet connection. – T6669

RayViz 2022 Release (Version 22.5)

Update: Updated with libraries from TracePro 2022 (Version 22.5)

Update: Support SolidWorks 2023.

RayViz 2022 Release (Version 22.4)

Update: Updated with libraries from TracePro 2022 (Version 22.4)

RayViz 2022 Release (Version 22.3)

Update: Updated with libraries from TracePro 2022 (Version 22.3)

Update: LambdaLicenseUpdate.exe no longer requires administrator privileges to install license files.

RayViz 2022 Release (Version 22.2)

Update: Updated with libraries from TracePro 2022 (Version 22.2)

RayViz 2022 Release (Version 22.1)

Update: Updated with libraries from TracePro 2022 (Version 22.1)

RayViz 2021 Release (Version 21.6)

Update: Update CodeMeter licensing software to version 7.30a.

Update: Display message when license file update is required rather than starting troubleshooter.

Update: Updated with libraries from TracePro 2021 (Version 21.6)

RayViz 2021 Release (Version 21.5)

Update: Updated with libraries from TracePro 2021 (Version 21.5)

RayViz 2021 Release (Version 21.4)

Update: Updated with libraries from TracePro 2021 (Version 21.4)

RayViz 2021 Release (Version 21.3)

Update: Updated with libraries from TracePro 2021 (Version 21.3)

RayViz 2021 Release (Version 21.2)

Update: Updated with libraries from TracePro 2021 (Version 21.2)

RayViz 2021 Release (Version 21.1)

New: Add support for SolidWorks SetPartnerKey that impacts how TracePro is listed in the SolidWorks Add-Ins dialog.

Update: Ignore hidden bodies in the RayViz system tree and when saving as an OML file for SolidWorks 2021 and after. Prior to SolidWorks 2021 hidden bodies were exported by SolidWorks.

Update: Updated with libraries from TracePro 2021 (Version 21.1)

RayViz 2020 Release (Version 20.6)

Update: Updated with libraries from TracePro 2020 (Version 20.6)

RayViz 2020 Release (Version 20.5)

Update: Updated with libraries from TracePro 2020 (Version 20.5)

RayViz 2020 Release (Version 20.4)

Update: Updated with libraries from TracePro 2020 (Version 20.4)

RayViz 2020 Release (Version 20.3)

Update: Release license when RayViz addin is unloaded. This will free up a network license without exiting SolidWorks. - 7863

Update: Updated with libraries from TracePro 2020 (Version 20.3)

RayViz 2020 Release (Version 20.2)

Update: Updated with libraries from TracePro 2020 (Version 20.2)

RayViz 2020 Release (Version 20.1)

Update: Fix exception caught (DISPLAY ERROR: TpbSwModel.cpp, 2502 invalid operation). This would occur when displaying rays for the first time in some models with SOLIDWORKS 2020 SP1.0.

Update: Turn the option to split periodic faces off by default for SOLIDWORKS 2020 SP1.0 and future releases of SOLIDWORKS.

Update: Updated with libraries from TracePro 2020 (Version 20.1)

RayViz 2019 Release (Version 19.6)

Update: Fix assertion failure in SOLIDWORKS 2020: "MarkAsModifiedAndForceUpdate: Failed to remove property."

Update: Updated with libraries from TracePro 2019 (Version 19.6)

RayViz 2019 Release (Version 19.5)

Update: Turn the option to split periodic faces on by default for SOLIDWORKS 2019. This fixes some geometry errors when saving an OML file for use in TracePro.

Update: Add warning message about potential display or ray trace errors in TracePro when saving an OML file when not splitting periodic faces.

Update: Updated with libraries from TracePro 2019 (Version 19.5)

RayViz 2019 Release (Version 19.4)

Update: Download the license file when reporting entitled release for a permanent license. The entitled release displayed in Tools|RayViz|License will now reflect the latest license information.

Update: Fix display of beta version warning on UHD monitors.

Update: Updated with libraries from TracePro 2019 (Version 19.4)

RayViz 2019 Release (Version 19.3)

Update: Updated with libraries from TracePro 2019 (Version 19.3)

RayViz 2019 Release (Version 19.2)

Update: Updated with libraries from TracePro 2019 (Version 19.2)

RayViz 2019 Release (Version 19.1)

Update: Updated with libraries from TracePro 2019 (Version 19.1)

RayViz 2018 Release (Version 18.6)

Update: Use new Windows known folders and migrate away from obsolete Win32SpecialFolder

Update: Updated with libraries from TracePro 2018 (Version 18.6)

RayViz 2018 Release (Version 18.5)

Update: Ensure consistent Windows version definition across all projects – target version is now Windows 7 for all products

Update: Updated with libraries from TracePro 2018 (Version 18.5)

RayViz 2018 Release (Version 18.4)

Update: Fix properties listed for surface property catalogs when applying surfaces. None was the only property listed. – 7446

Update: List properties that are appropriate for the target edition of TracePro. – 7104

Update: Updated with libraries from TracePro 2018 (Version 18.4)

RayViz 2018 Release (Version 18.3)

Update: Updated with libraries from TracePro 2018 (Version 18.3)

RayViz 2018 Release (Version 18.2)

New: Class and User Data can now be applied to faces.

New: Allow TracePro to detect bodies from RayViz so that they can be replaced by the new TracePro ‘Update from RayViz...’ menu selection and geometry:update-from-rayviz scheme command.

RayViz 2018 Release (Version 18.1)

Update: Update to TracePro 2018 oml file format

RayViz 7.8.3 Release

Update: Combine multiple messages into one while ray tracing. Multiple messages would be displayed if importance targets or birefringent materials were applied to the RayViz model. – 7177

Update: Detect when an assembly models contains components from a future version of SolidWorks. A message is displayed informing the user that the component will be ignored by RayViz. The assembly model would need to be opened in the future version of SolidWorks if the user wants to apply properties or trace rays using the components from the future version.

Update: Fix the projection of the origin of a temperature distribution onto the axis of a non-regular cylinder when working in an assembly. A regular cylindrical face is one that has ends that are circular.

Update: Prevent the selection of a temperature distribution file when a face hasn’t been selected.

Update: Fix changing the setting of apply to all configurations for exit surface and importance sampling. It was possible that the change in this setting wasn’t saved with the model.

Update: Reset type to none after deleting the distribution. This fixes the type name and description.

Update: Don't allow RepTile properties to be added to fluorescent bodies or sheet bodies.

Update: Get defaults for RepTile pixel dimensions and bump/hole state from the property.

Update: Add <None> to the RepTile property name and surface property name lists.

Update: Set check properly in Exclude last wavelength-to-infinity band checkbox when changing selections with the fluorescence properties.

Update: Don't display the Bulk Scatter in the system tree if the property name is set to <None>.

Update: Properly enable/disable Mueller matrix input items based on the component type.

Update: When there is no material display; index (1), absorption coefficient (0) and transmission (0).

RayViz 7.8.1 Release

New: Add the SolidWorks selection box control to the property manager pages for all property types. The selection box provides improved filtering of geometry types that are appropriate for the property being edited. The geometry type filtering is used when selecting in the SolidWorks graphics window making it very easy to graphically select bodies without having to change your selection filters. The control provides

functionality to edit the selected geometry and allows the property manager page to update on selection changes.

- New: Allow the application of temperature distributions to irregularly shaped planar and cylindrical faces. This matches the enhancements in TracePro 7.8.0.
- New: Add pixel dimension input for RepTile properties that are defined with texture files.
- Update: Fix assertion message about the value of hModuleInstance that could occur when loading the RayViz add-in. – 7197
- Update: Fix bug with surface source rays that were being launched outside the bounds of a cylindrical face. – 7178
- Update: Fix tessellation error when defining surface sources on small faces.
- Update: Fix projection of RepTile boundary center, tile origin and up vectors to the plane of the face that the RepTile is applied too.

RayViz 7.8.0 Release

- New: Initial release of RayViz – ray tracing in SolidWorks