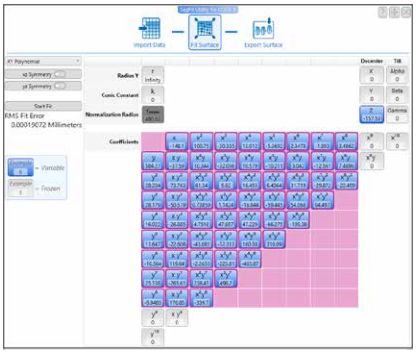
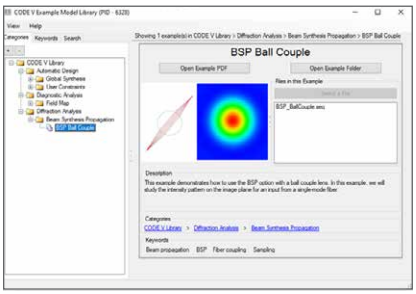
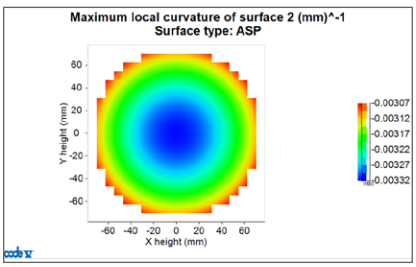
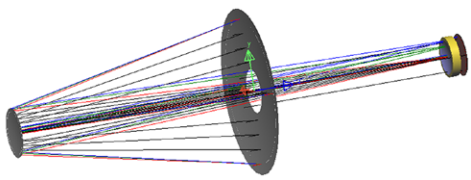
What's New in CODE V Version 2023.03

Upgrade Your Imaging Optics Designs









SagFit Utility

If you have measured sag data or CAD surfaces, you can use the SagFit Utility to fit the surface to a native CODE V surface. Using native CODE V surfaces gives you additional flexibility and control to optimize your optical system design.

Example Model Library for Learning CODE V

The CODE V Example Model Library helps you quickly learn how to use specific features, including Global Synthesis® for global optimization, Beam Synthesis Propagation to analyze diffraction-related characteristics, and SpecBuilder™ for setting up lens system specifications. Each example model has documentation that describes the model, the features you will learn, and how to step through the example. Many examples include one or more sequence files that can execute the steps for you.

Macro-PLUS™ Improvements

The List Constraint Data macro filters and sorts constraint information, making it easy to understand the impact of active and weighted design constraints on system optimization. In addition, fabrication support macros have been enhanced to let you generate and plot data over a defined aperture region.

New Help System

The CODE V help system has been revamped for the 2023.03 release. The help system now uses the default installed browser to display help topics and provide easy access to all information in the CODE V reference manuals.

Enhanced Interoperability with LightTools

This release includes enhancements to interoperability with LightTools to perform stray light analysis from your CODE V lens. You can export encrypted thin film coatings and more robust apertures in the optical system file.

Additionally, you can export lenses with hole apertures, and they will display in LightTools as holes on the lens surface that can be manipulated in the 3D Design view or the System Navigator.

For more information, please contact the Synopsys Optical Solutions team at (626) 795-9101, visit synopsys.com/optical-solutions/codev, or send an e-mail to optics@synopsys.com.