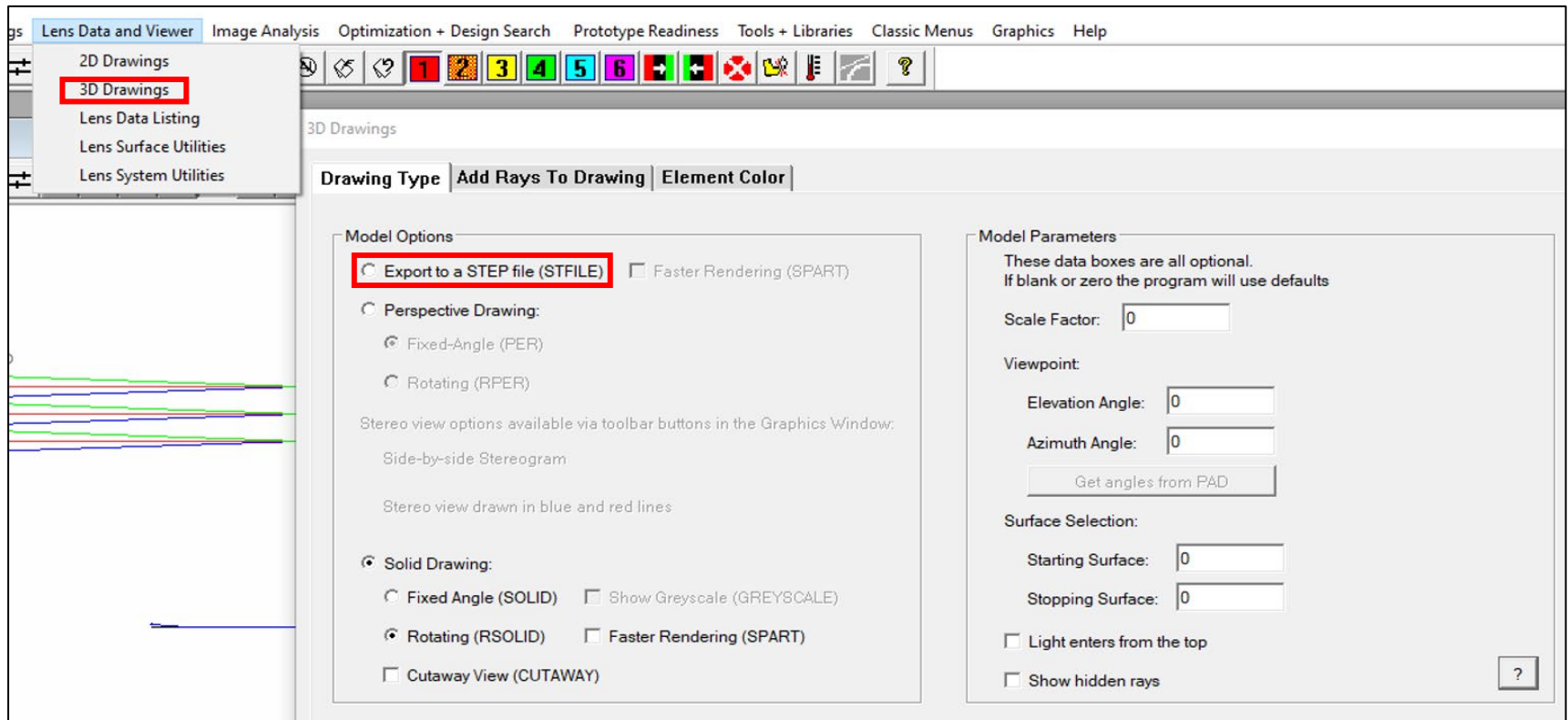


Creating a STEP file using the
“3D Drawing” GUI Dialog

Click open the 'Lens Data and Viewer' menu at the top menu bar. Then click '3D Drawings' to open the dialog. In the dialog, click the 'Export to a STEP file' radio button. Then click 'Execute' at the bottom of the dialog.

A Window Explorer will be prompted for you to enter a filename for the STEP file.

Note that aspheric surface exported to the STEP file will be replaced by its spherical counterpart (ie, the aspheric components will be lost). Basically, the export surface is going to serve as a placeholder for the real aspheric surface with the same vertex coordinate to facilitate further optomechanical design around the component.



Help Page:

You can click the 'Help' button in the "3D Drawing" dialog to open the Help page to read more about it in the "User Manual for User Interface Plus" section. The "User Manual for User Interface Plus" section is the simplified version of the Classic User's Manual with the goal to provide the basic instructions on how to do things in SYNOPSIS™.

The screenshot displays the SYNOPSIS software interface. On the left, a navigation pane shows a tree structure of help topics. The following items are highlighted with red boxes:

- User Manual for User Interface Plus
- Lens Data and Viewer Menu
- 3D Drawings
- Drawing Type and CAD Export

The main window is titled "Drawing Type and" and contains the following sections:

- Model Options:**
 - Export to a STEP file (STFILE)
 - Perspective Drawing:
 - Fixed-Angle (PER)
 - Rotating (RPER)
- Model Parameters:**

These data boxes are all optional. If blank or zero the program will use defaults

Scale Factor:

Viewpoint:
Elevation Angle:
Azimuth Angle:

Surface Selection:
Starting Surface:
Stopping Surface:

Light enters from the top
 Show hidden rays

At the bottom of the dialog, there are radio buttons for "Rotating (RSOLID)", "Faster Rendering (SPART)", and "Cutaway View (CUTAWAY)". A small square button with a question mark is highlighted with a red box in the bottom right corner of the dialog.