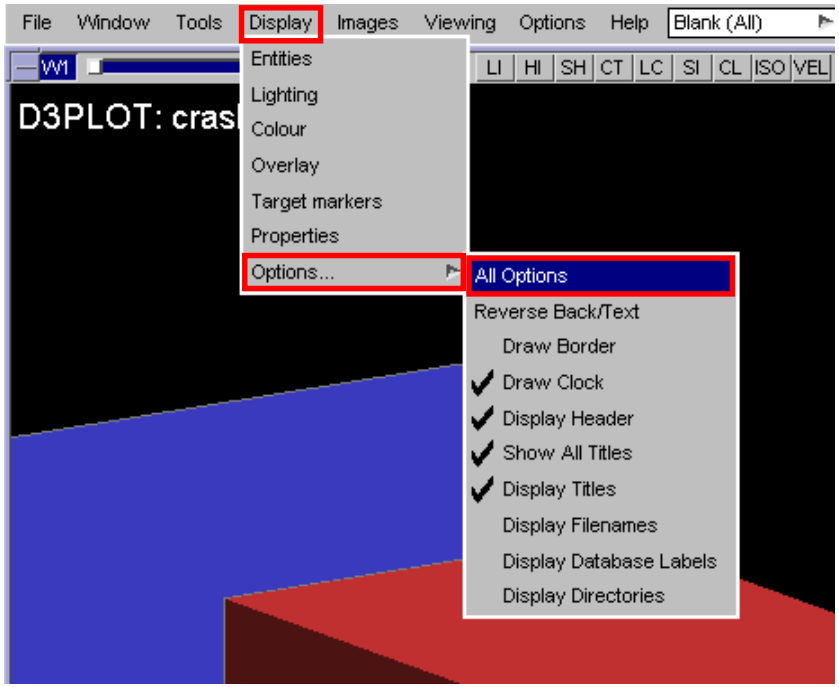
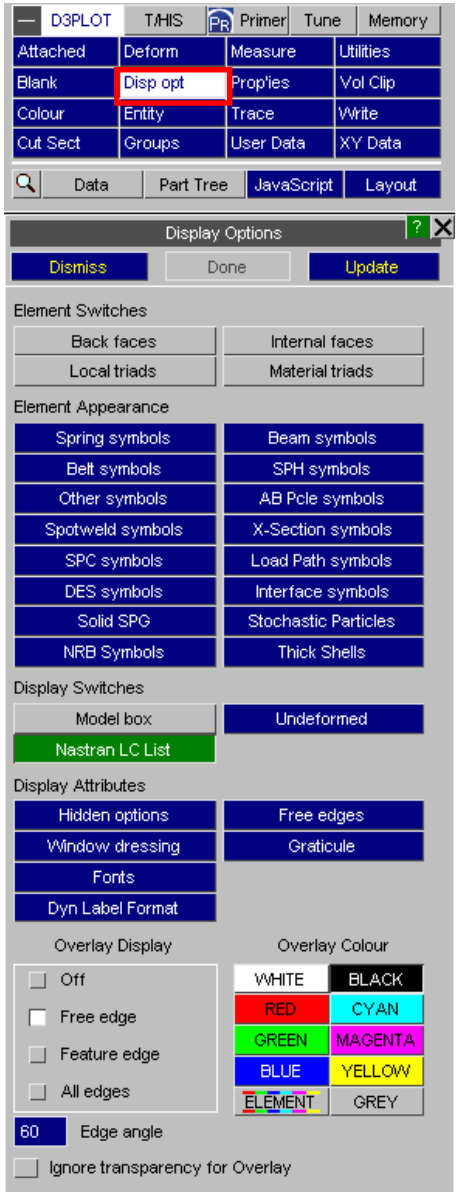
Display Options

Display Options Access

The display options control the appearance of each plot and many of the items drawn in each plot. The display options panel can be accessed by either clicking the 'Disp opt' button in the D3PLOT menu, pressing the 'O' button on a keyboard or via 'Display->Options' on the top toolbar.

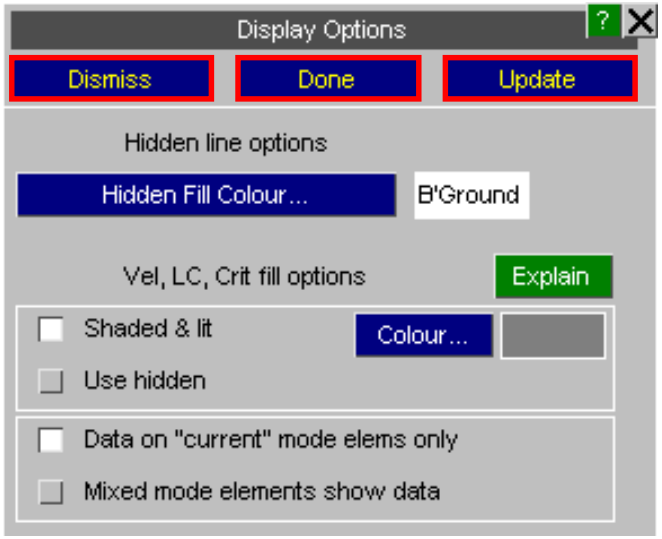




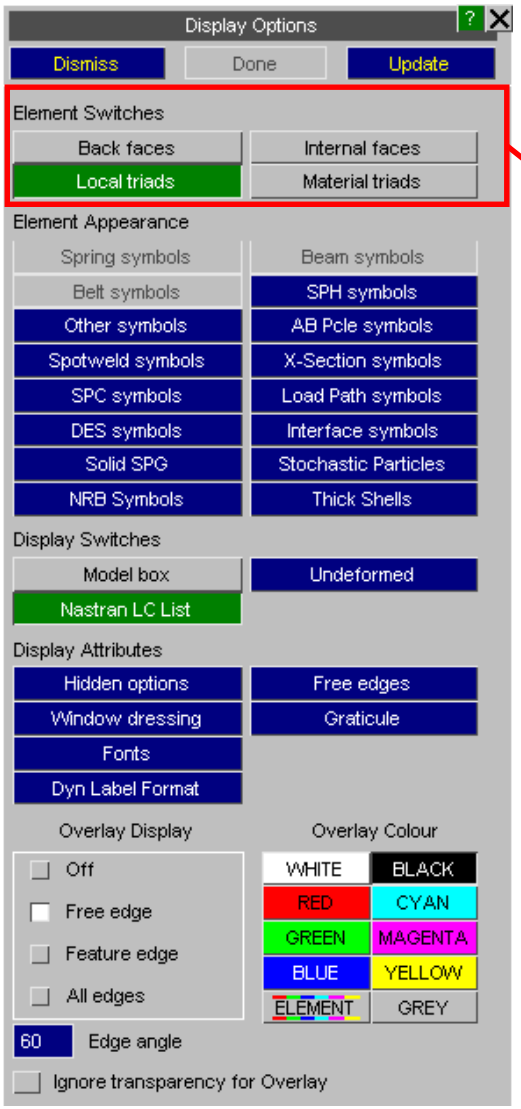
Display Options

Three buttons appear at the top of the Display Options panel and all subpanels.

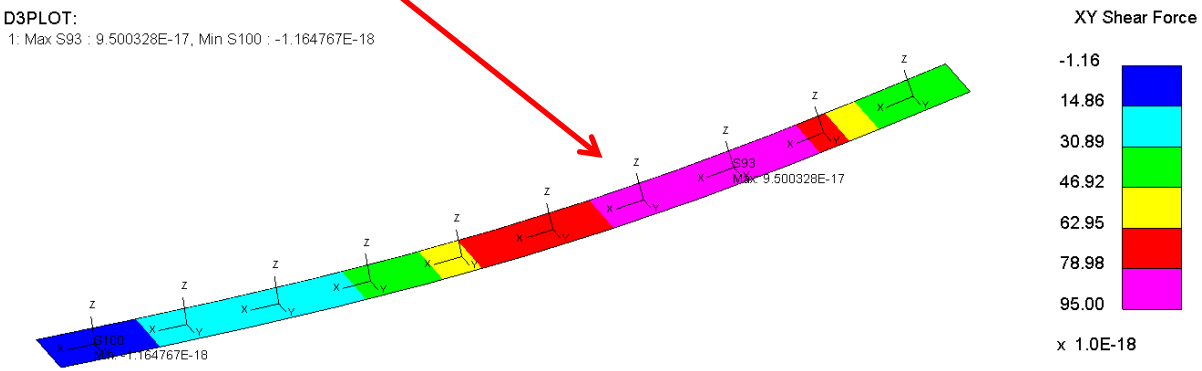
- **Dismiss** – saves changes made, dismisses the current menu and returns to the Data menu.
- **Done** – saves changes made and returns to the main ‘Display Options’ menu.
- **Update** – applies changes made and updates the graphics window to display changes.



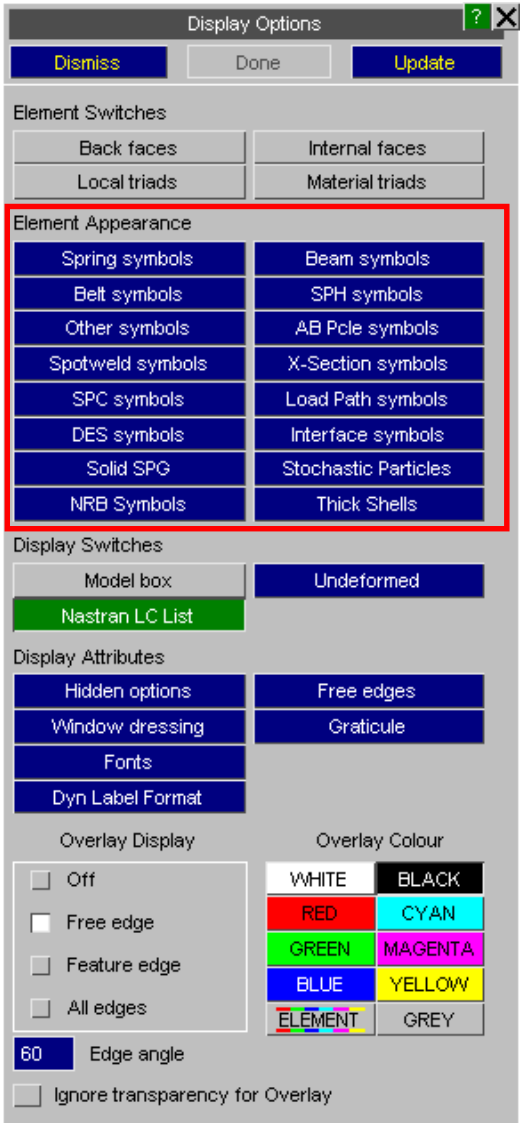
Element Switches



Element Switches – these options control the display of back and internal faces of 3D elements and the display of element triads showing the local element axes.

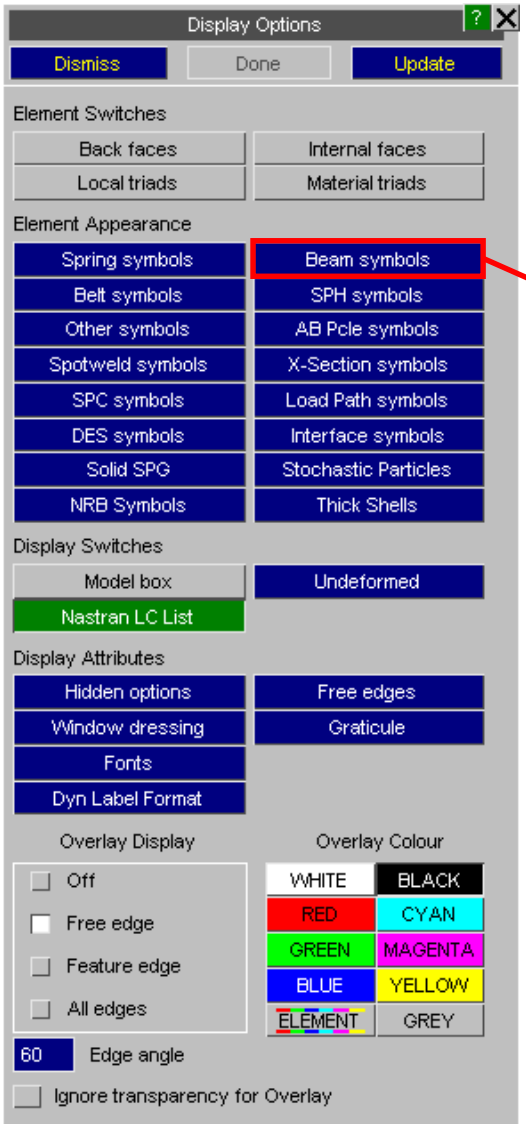


Element Appearance

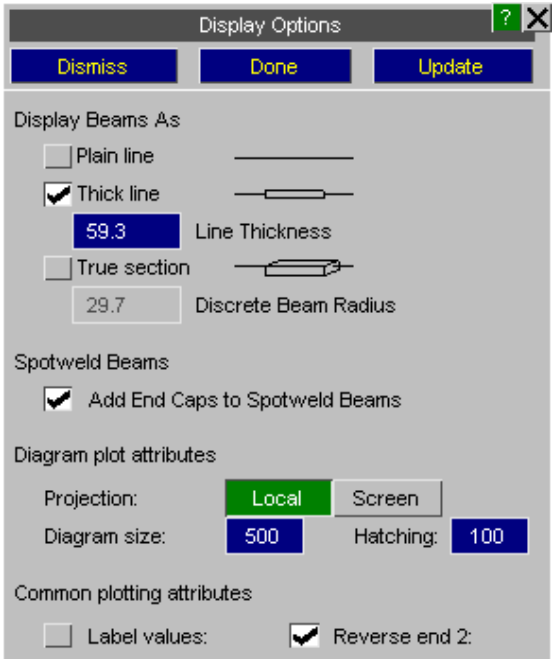


Element Appearance – these options control how a number of different element types are drawn. Some types have alternate symbols, while others have options to control their size.

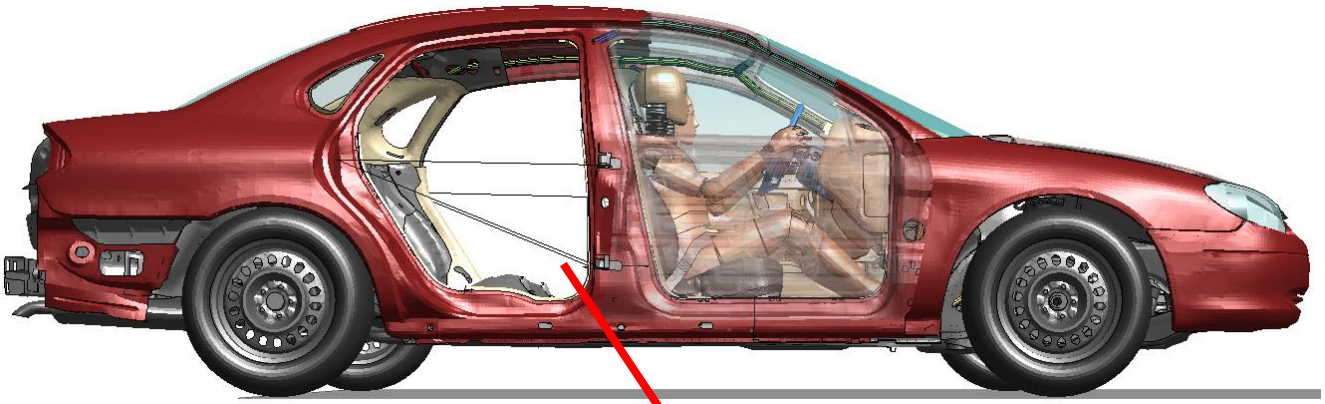
Element Appearance example - Beam symbols

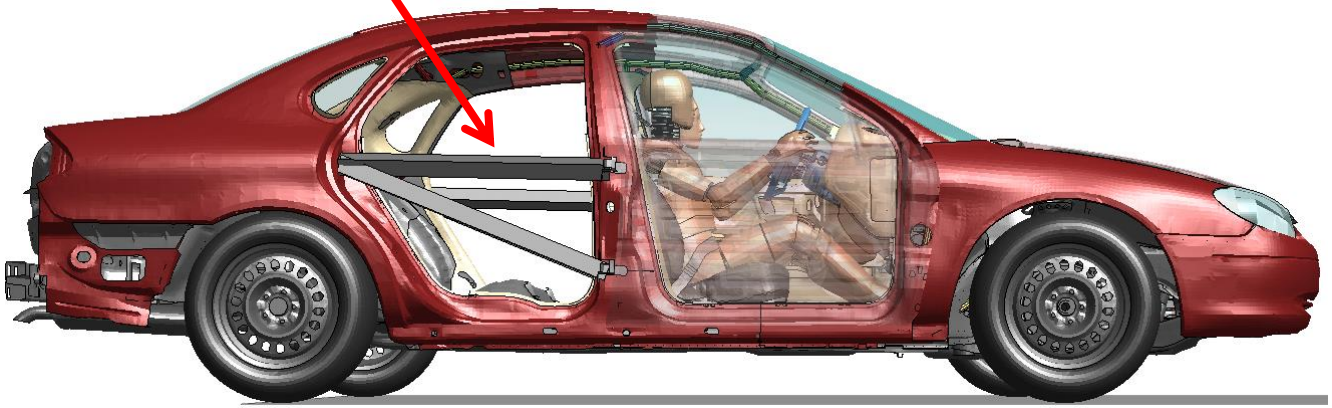


Beam symbols – this menu controls the appearance of beam (1D) elements. 'True section' is not output in LS-DYNA and requires a .ztf file to be written from PRIMER.

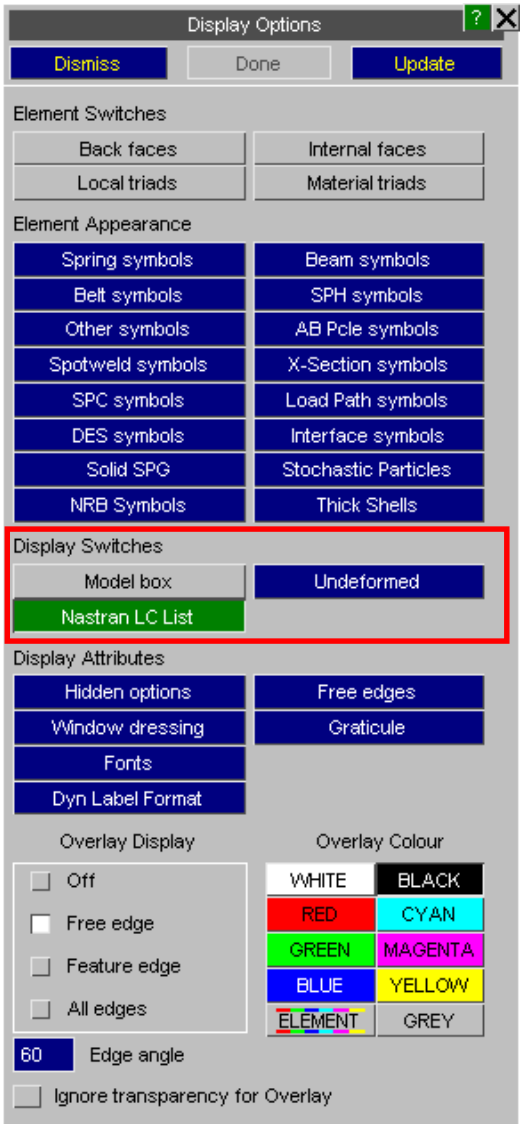


Element Appearance example – Beam symbols



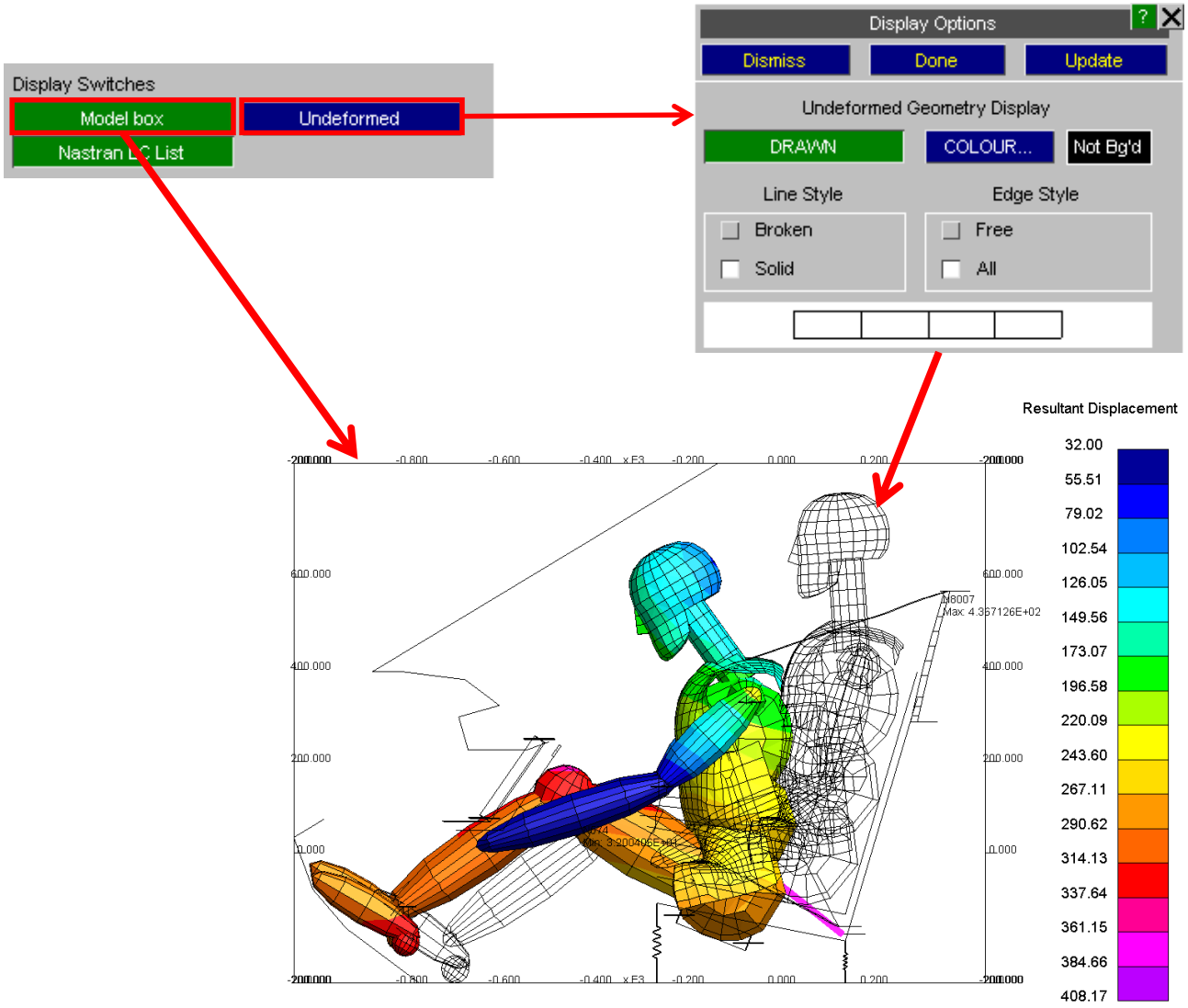


Display Switches

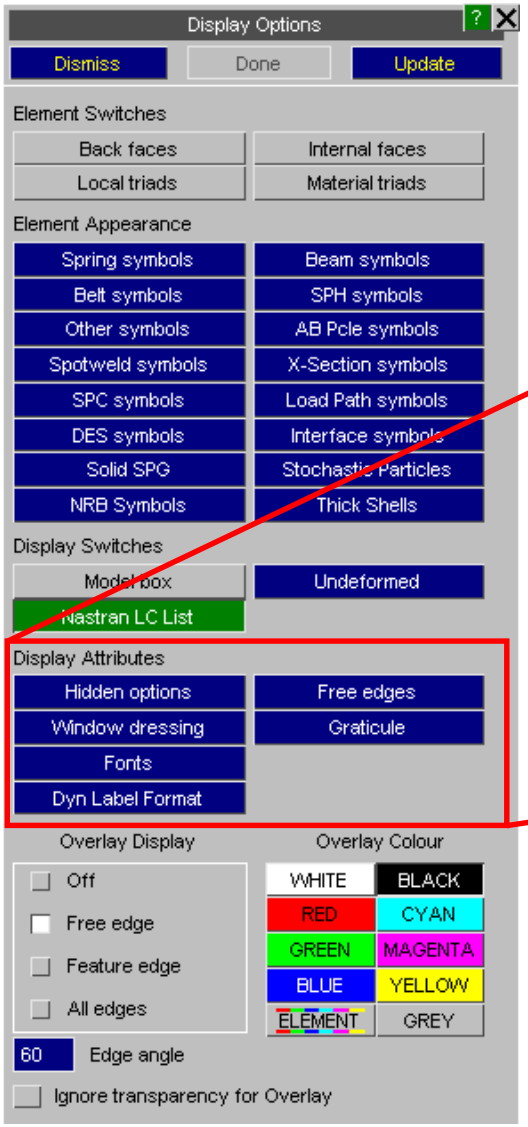


Display Switches – these options can be used to display a box around the model and to display the undeformed geometry of a model.

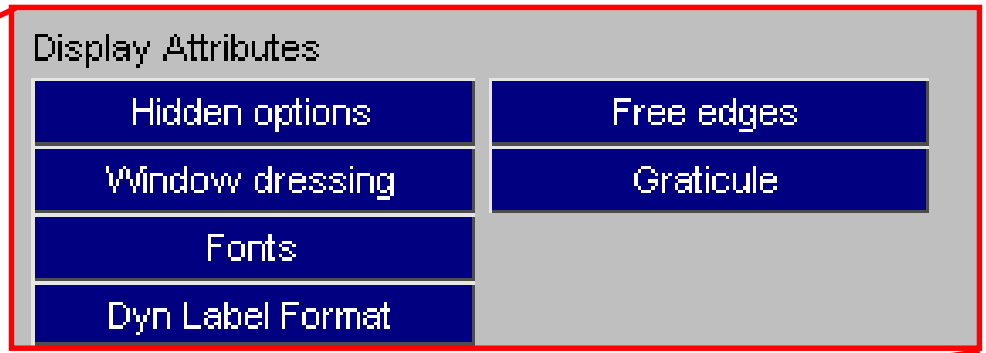
Display Switches – Example



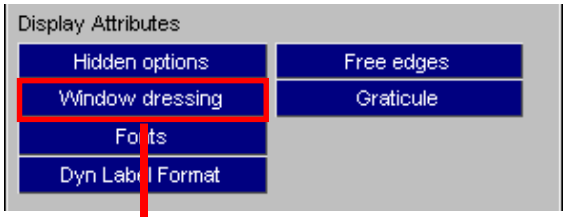
Display Attributes

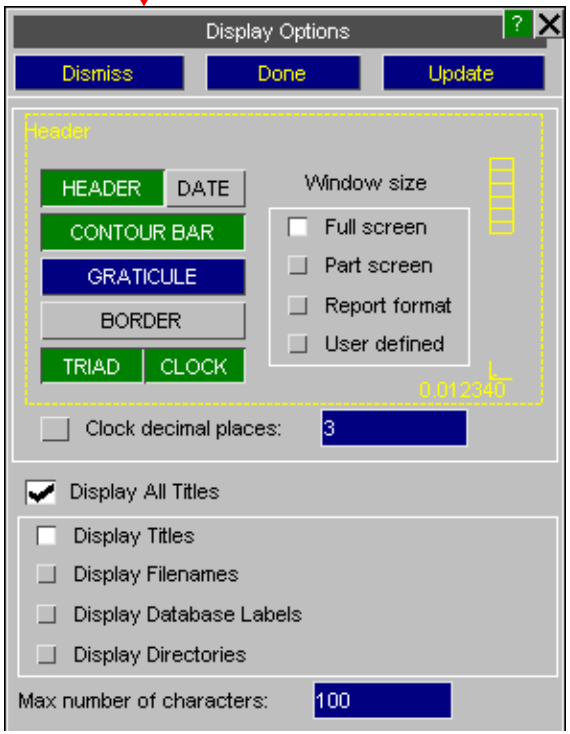


Display Attributes - these options enable the graphics window to be customised, including adding a graticule (gridlines) and choosing fonts.

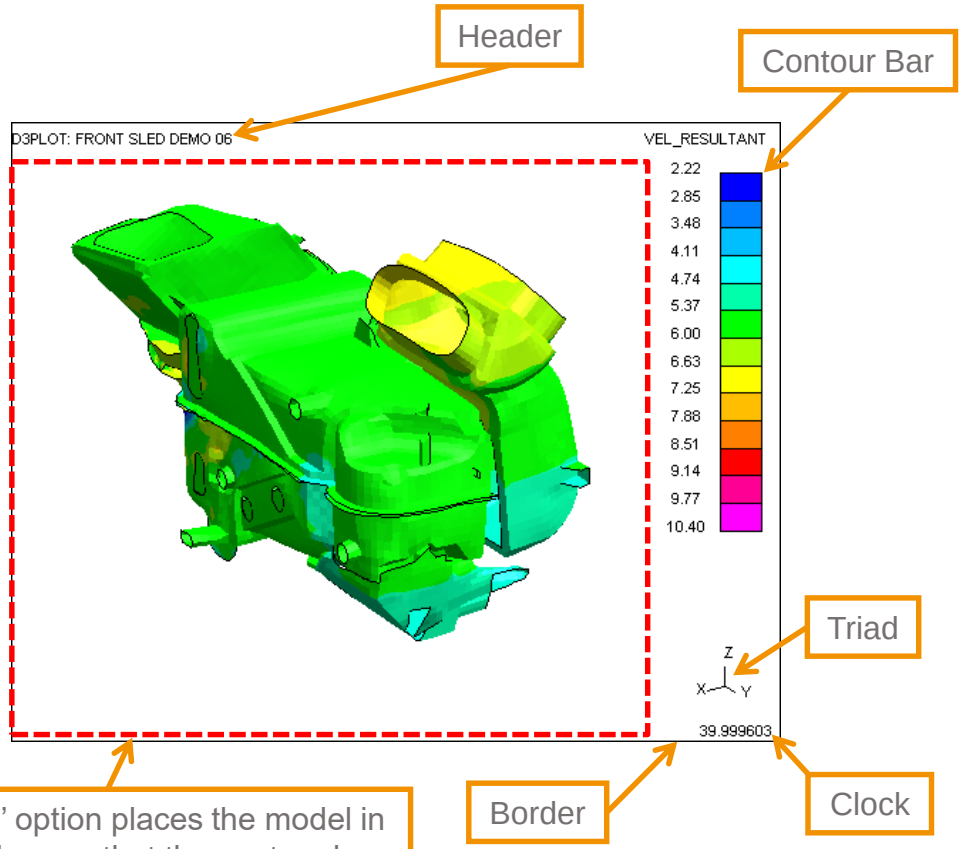


Window Dressing



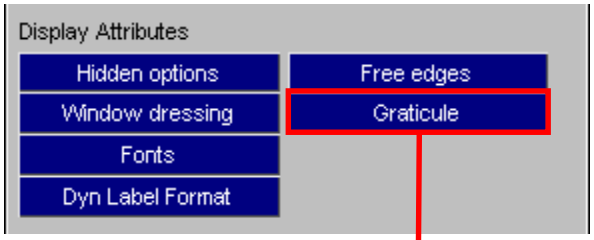


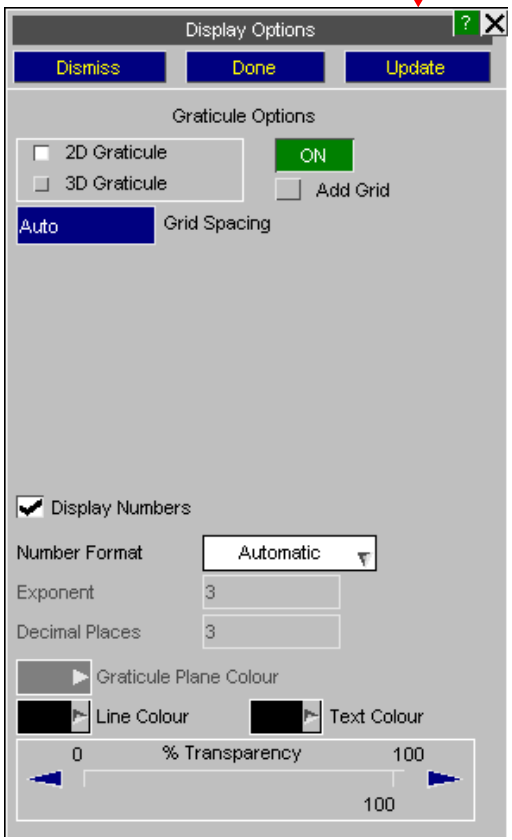
'Window dressing' controls which additional items are added to plots.



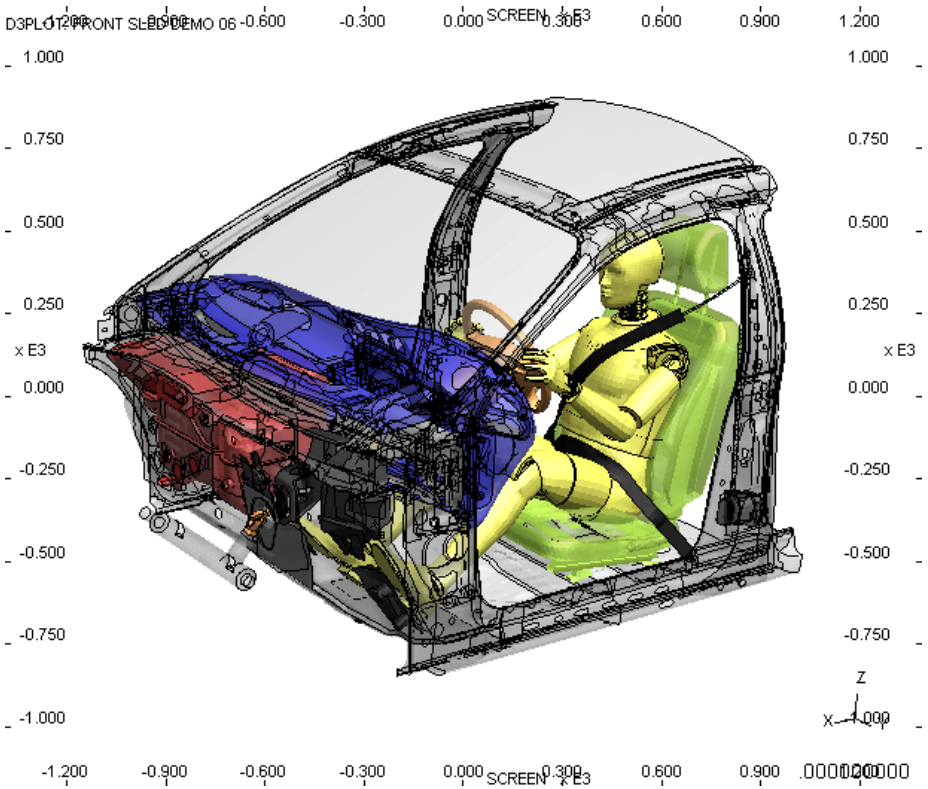
The 'Part screen' option places the model in this dashed window, so that the contour bar, triad, clock and header are not obscured.

Graticule (2D)

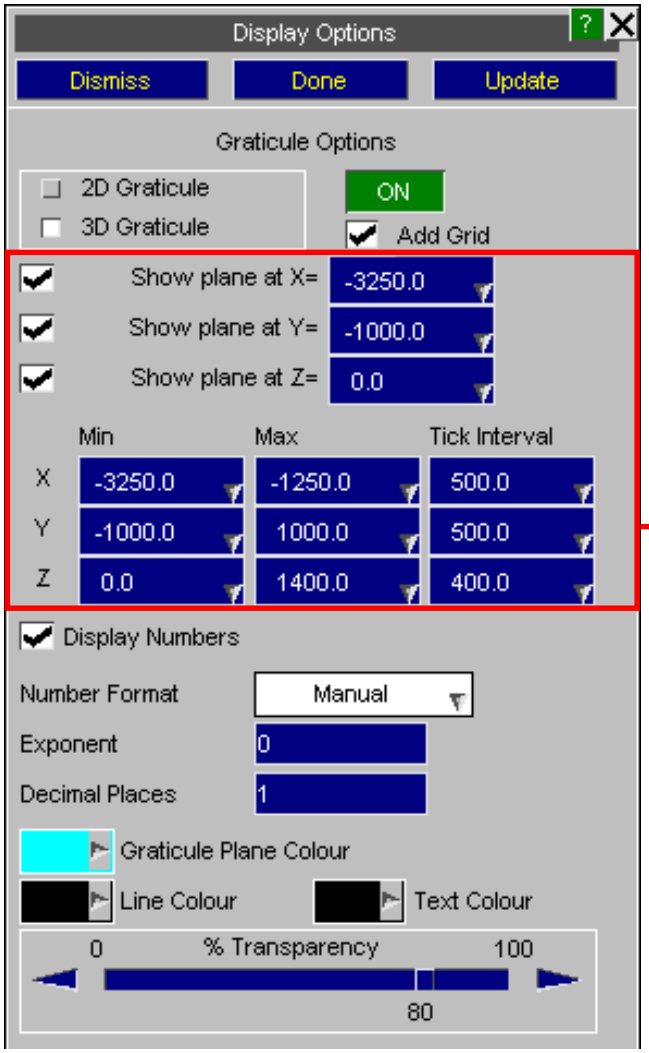




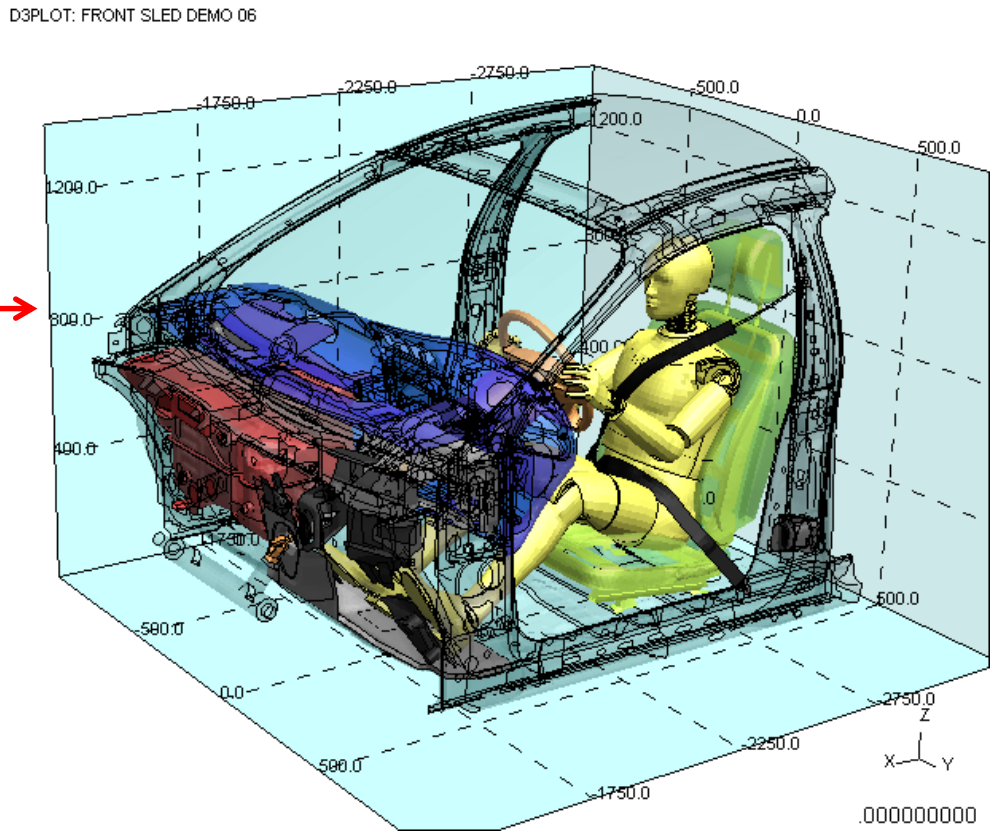
The ‘Graticule’ option can be used to display the current model dimensions. In 2D mode, the Graticule shows either model space or screen space, depending on the view..



Graticule (3D)

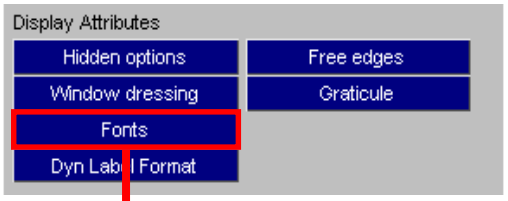


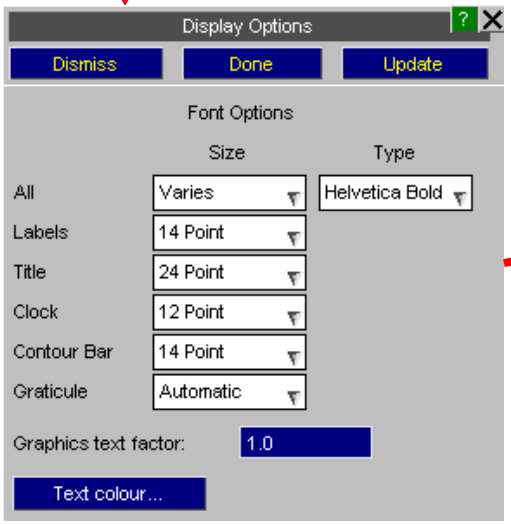
In 3D mode, the size and location of each plane can be set along with the grid spacing along each axis.

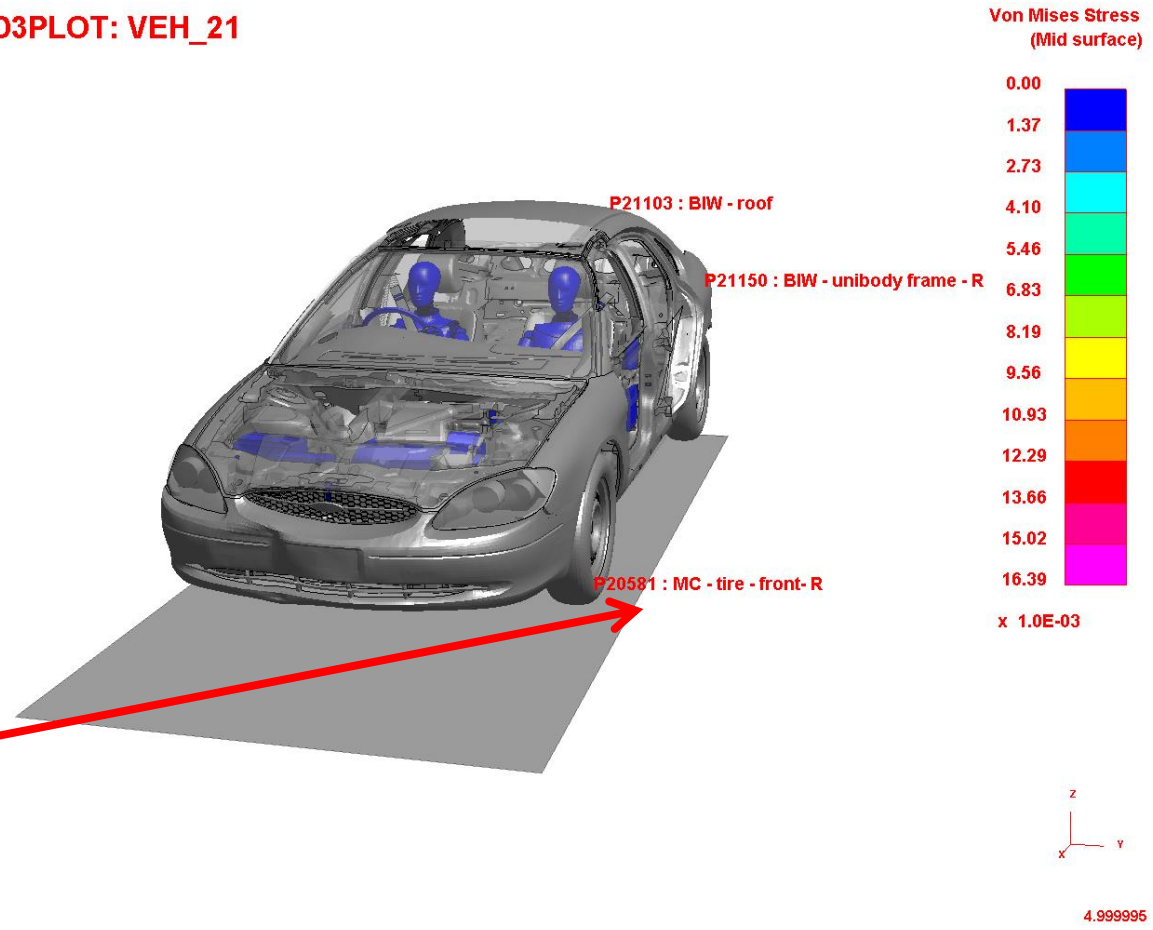


Fonts

Set text font size for:
- Labels
- Title
- Clock
- Contour Bar
- Graticule

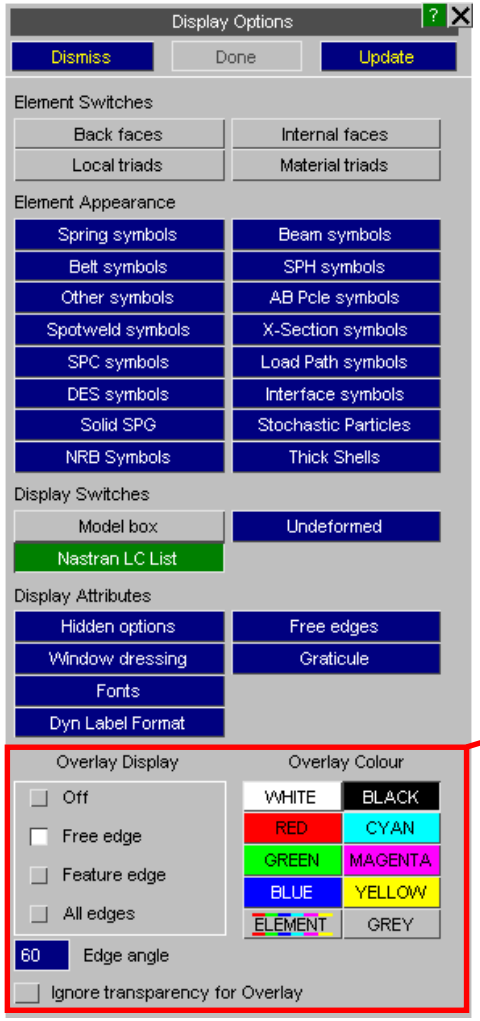


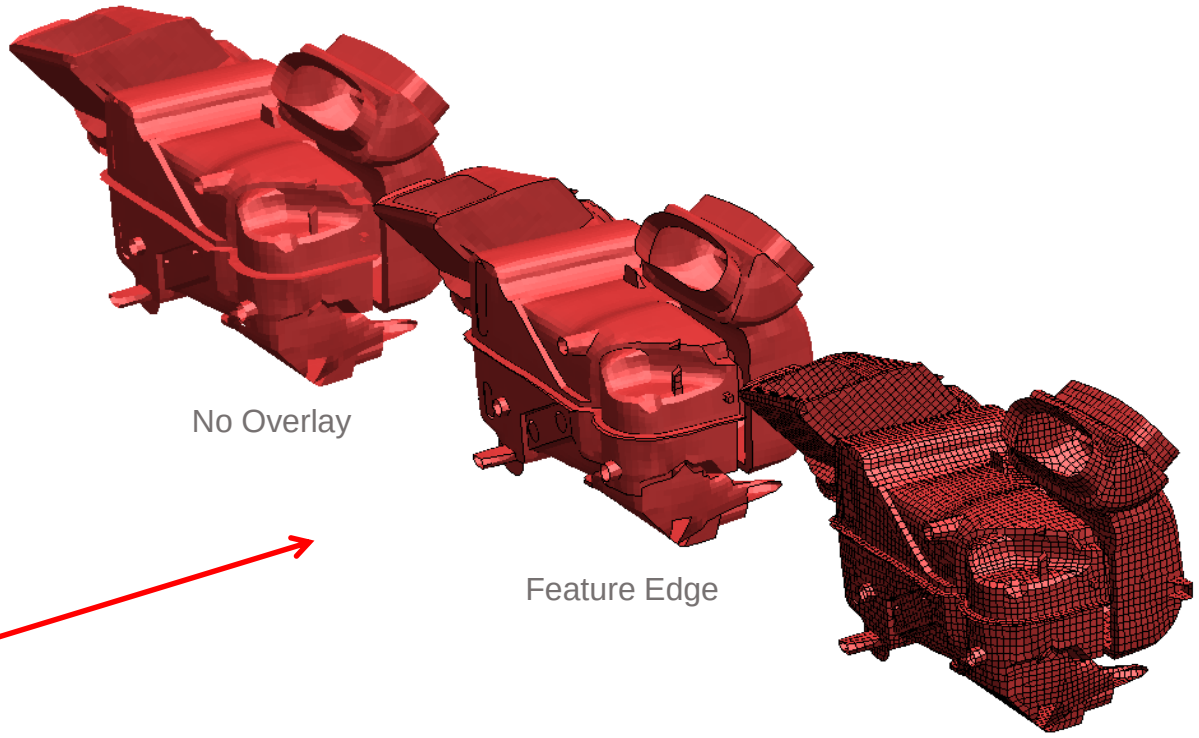




Element Overlay

The Overlay options control how the mesh line overlay is drawn, along with the colour used for the overlay. Pressing the 'Y' button on a keyboard cycles through no/free/all overlay.





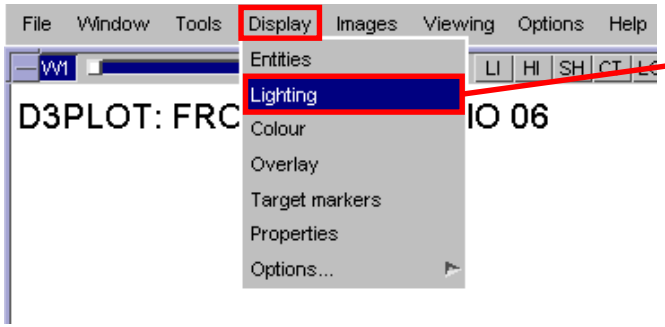
No Overlay

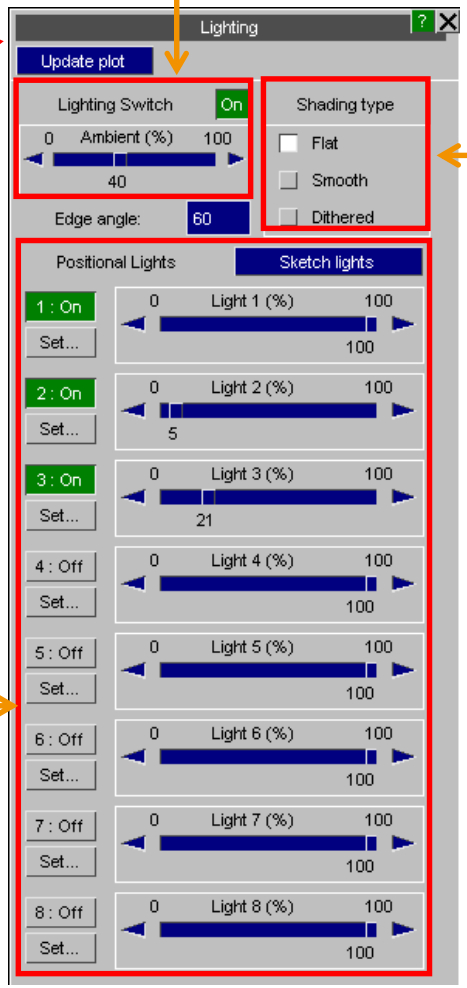
Feature Edge

All Edges

Lighting

The ‘Lighting’ panel can be accessed through the top toolbar within D3PLOT.





Change ambient light brightness using the slider.

Shading type – change shading type to Flat/Smooth/Dithered.

Pre-set lights – there are a selection of 8 lights which are pre-set at different angles. These pre-set lights can be toggled on/off.

Adjusting the brightness will change the appearance of the colours (e.g. if you increase the brightness, the colour will appear a lighter shade)

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