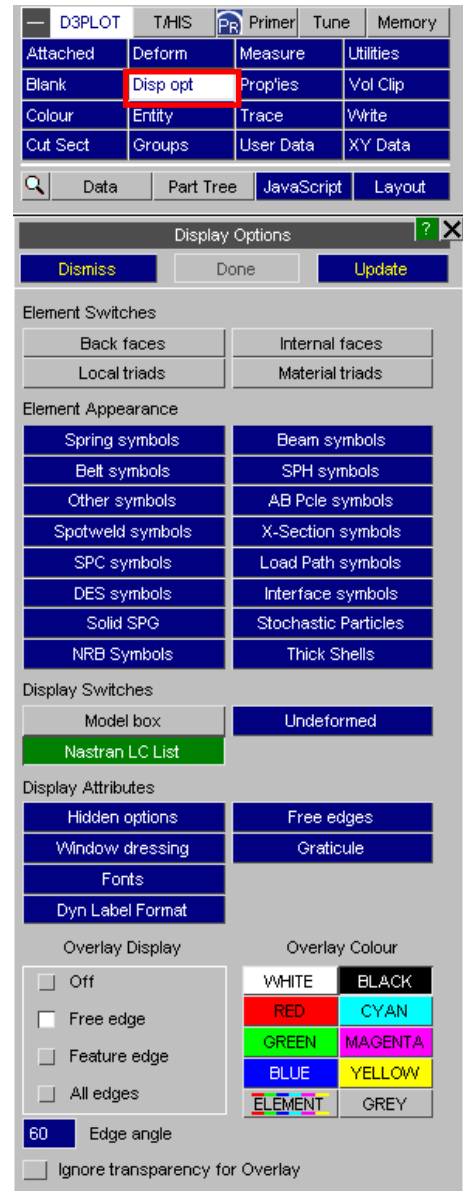
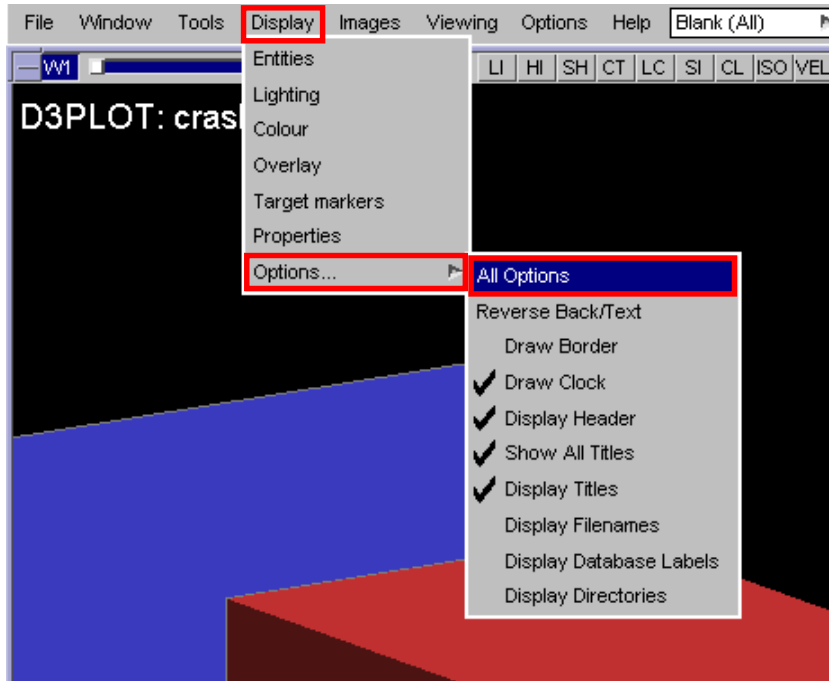


# Display Options

# Display Options Access

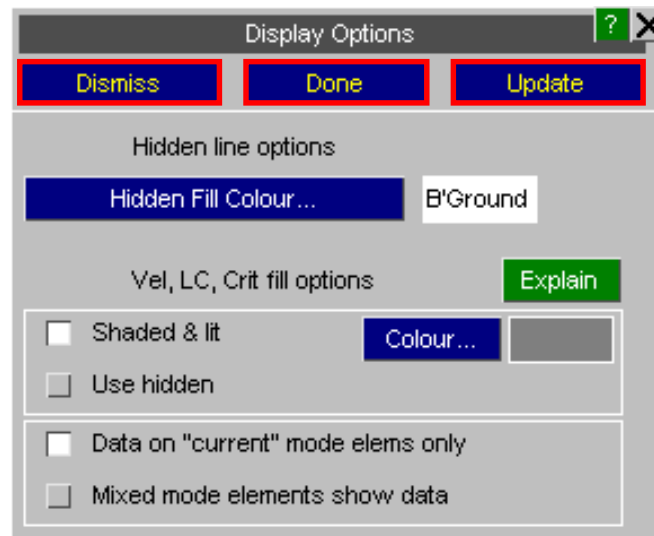
The display options control the appearance of each plot and many of the items drawn in each plot. The display options panel can be accessed by either clicking the 'Disp opt' button in the D3PLOT menu, pressing the 'O' button on a keyboard or via 'Display->Options' on the top toolbar.



# 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

Display Options [?] X

Dismiss Done Update

**Element Switches**

Back faces	Internal faces
Local triads	Material triads

Element Appearance

Spring symbols	Beam symbols
Belt symbols	SPH symbols
Other symbols	AB Pole symbols
Spotweld symbols	X-Section symbols
SPC symbols	Load Path symbols
DES symbols	Interface symbols
Solid SPG	Stochastic Particles
NRB Symbols	Thick Shells

Display Switches

Model box	Undeformed
Nastran LC List	

Display Attributes

Hidden options	Free edges
Window dressing	Graticule
Fonts	
Dyn Label Format	

Overlay Display

<input type="checkbox"/> Off	WHITE	BLACK
<input type="checkbox"/> Free edge	RED	CYAN
<input type="checkbox"/> Feature edge	GREEN	MAGENTA
<input type="checkbox"/> All edges	BLUE	YELLOW
	ELEMENT	GREY

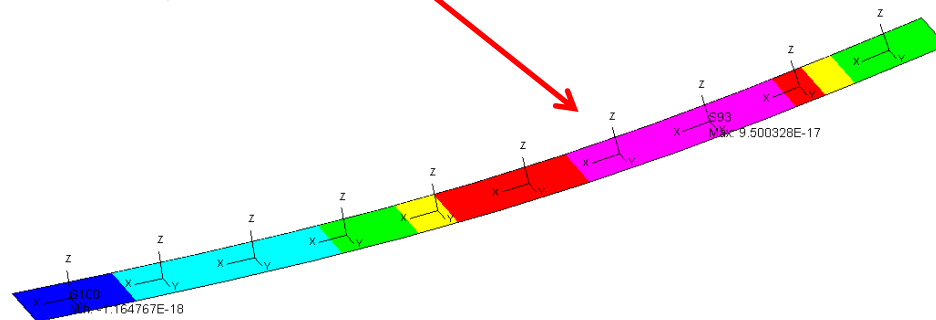
60 Edge angle

Ignore transparency for Overlay

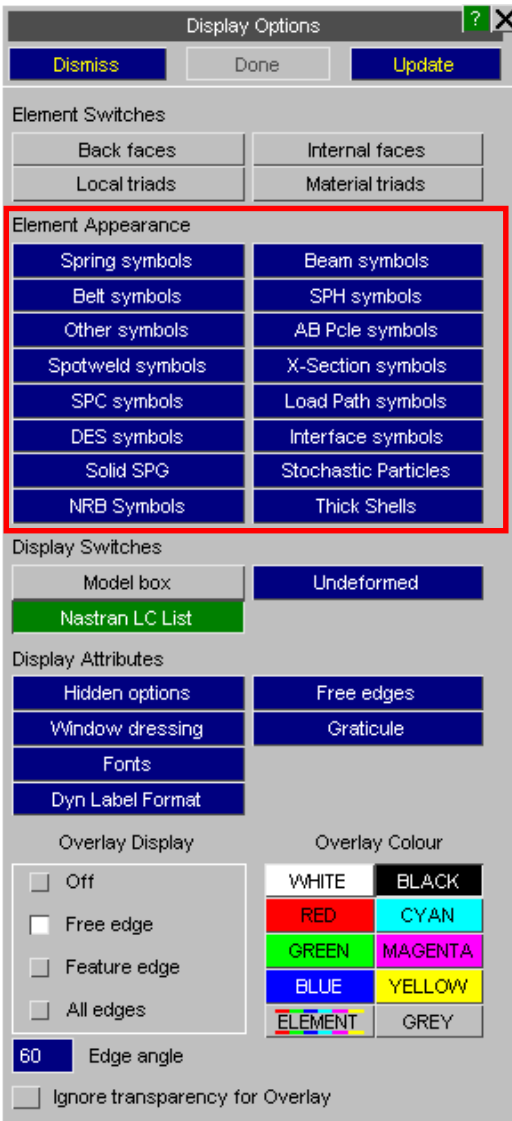
**Element Switches** – these options control the display of back and internal faces of 3D elements and the display of element triads showing the local element axes.

D3PLOT:

1: Max S93 : 9.500328E-17, Min S100 : -1.164767E-18



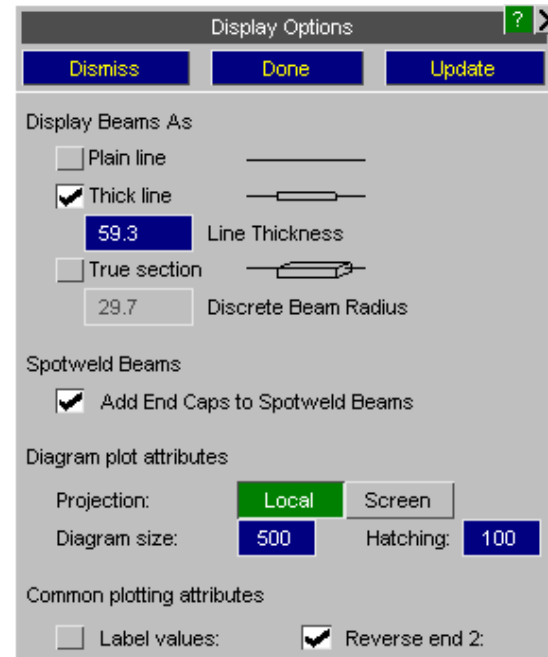
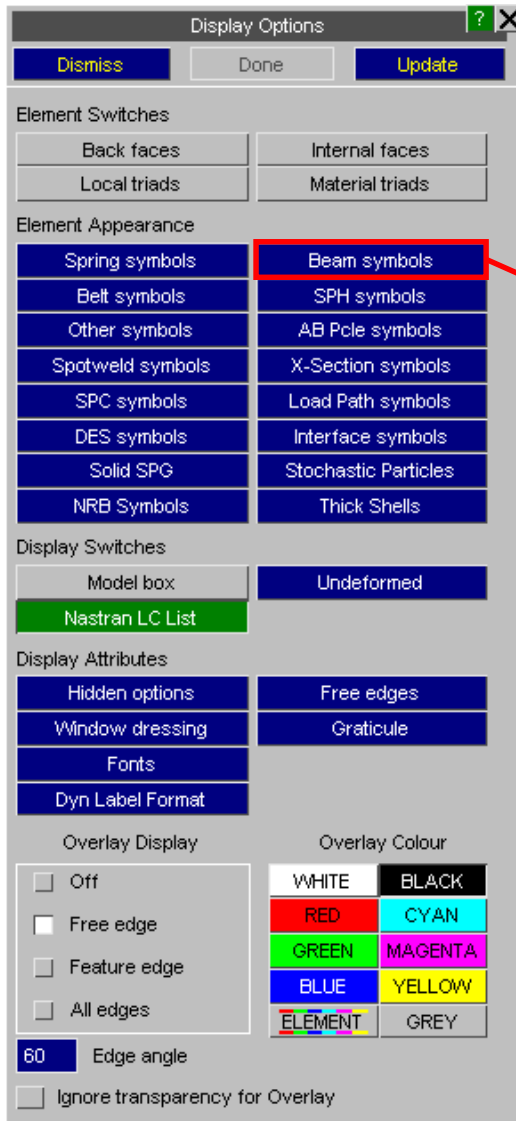
# Element Appearance



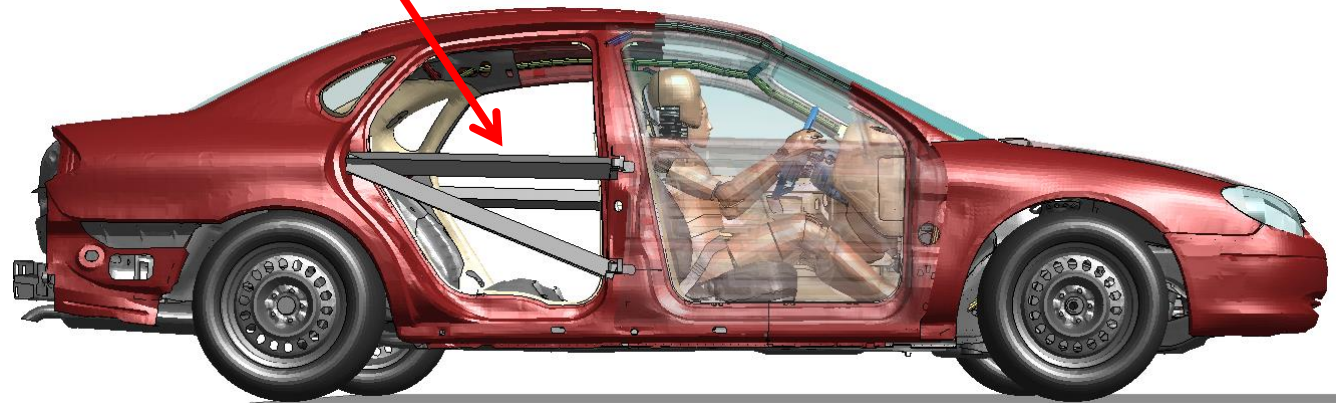
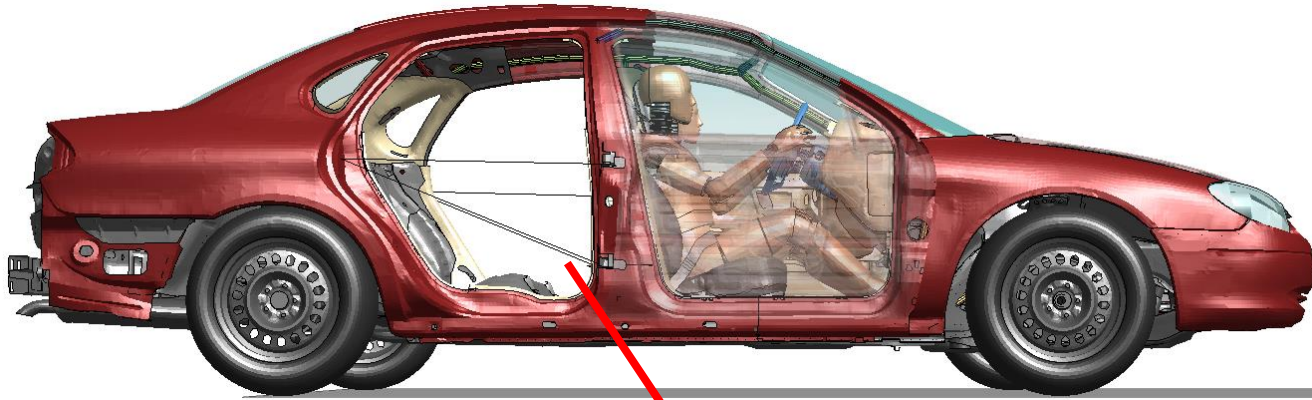
**Element Appearance** – these options control how a number of different element types are drawn. Some types have alternate symbols, while others have options to control their size.

# Element Appearance example - Beam symbols

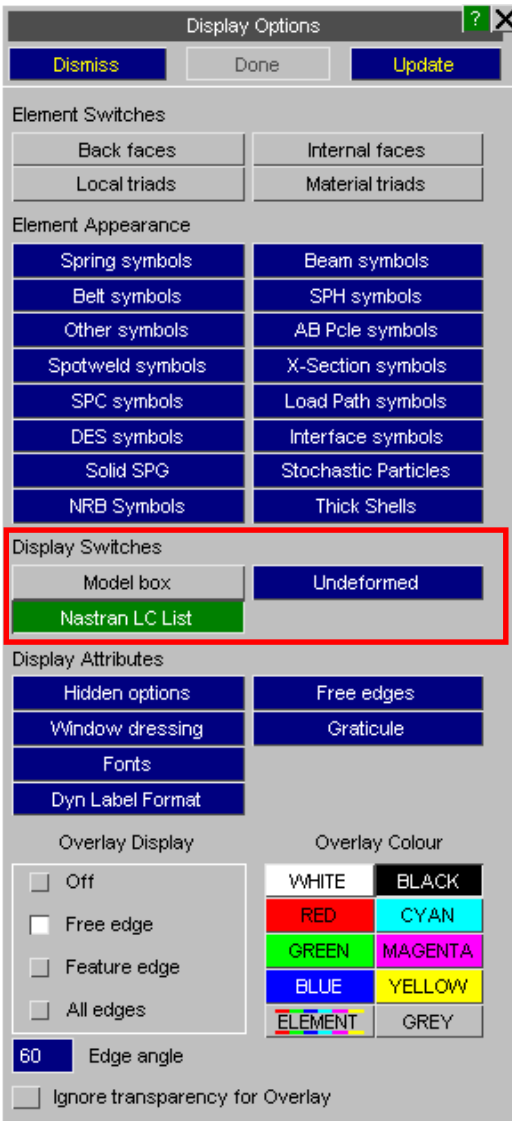
**Beam symbols** – this menu controls the appearance of beam (1D) elements. 'True section' is not output in LS-DYNA and requires a .ztf file to be written from PRIMER.



# 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 Switches

- Model box
- Undeformed
- Nastran LC List

Display Options

Dismiss Done Update

Undeformed Geometry Display

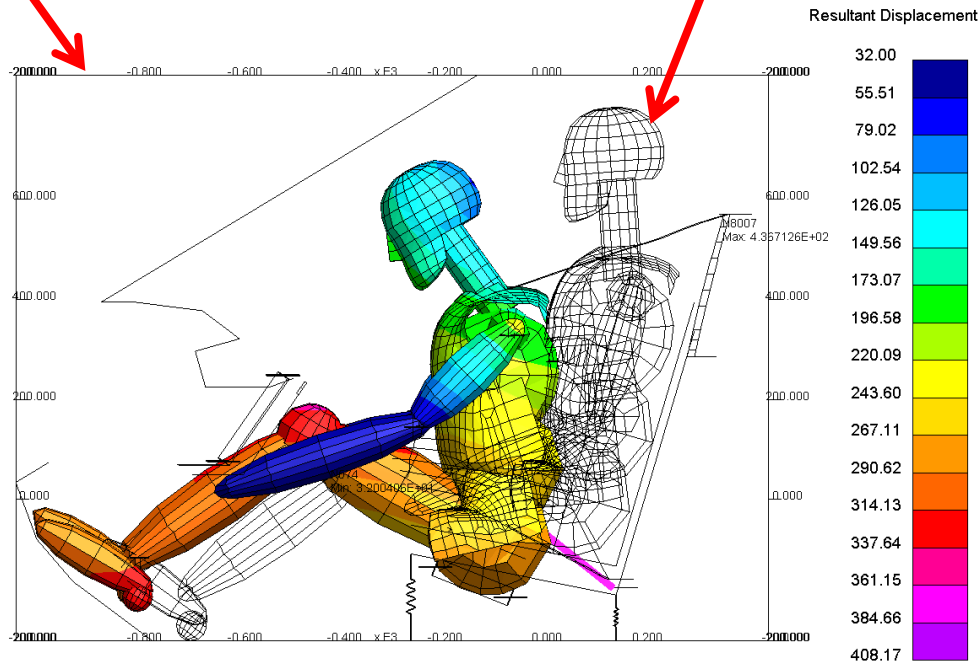
- DRAWN
- COLOUR...
- Not Bg'd

Line Style

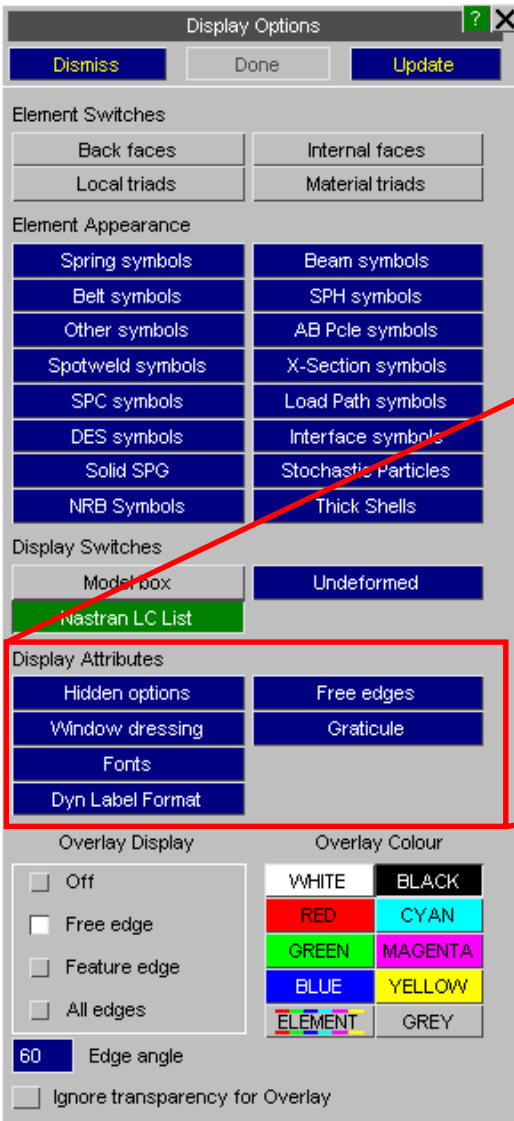
- Broken
- Solid

Edge Style

- Free
- All



# Display Attributes



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

## Display Attributes

Hidden options

Free edges

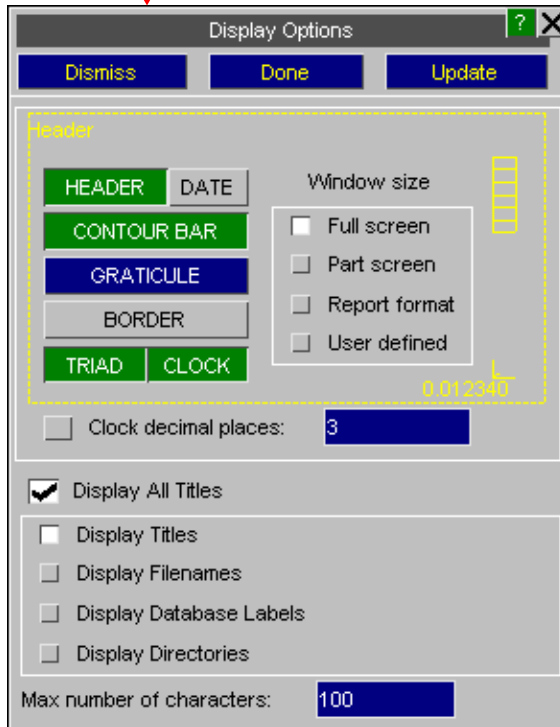
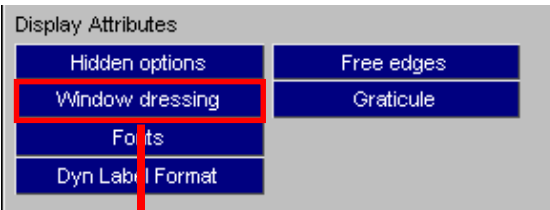
Window dressing

Graticule

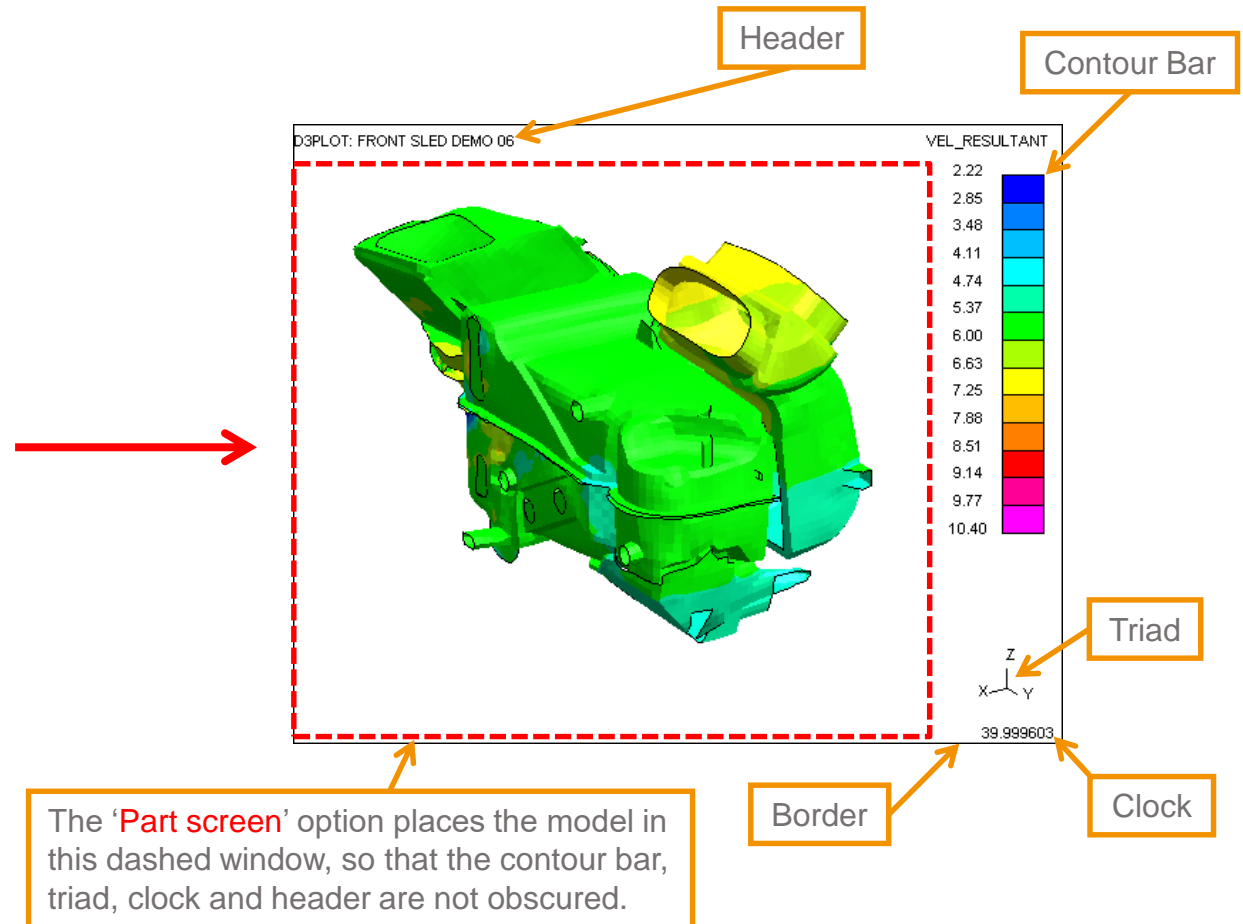
Fonts

Dyn Label Format

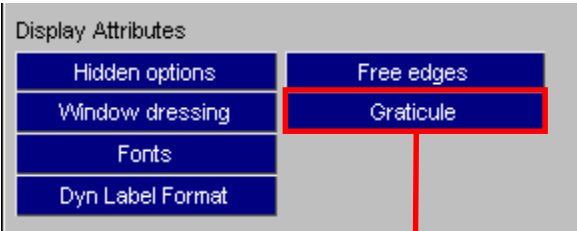
# Window Dressing



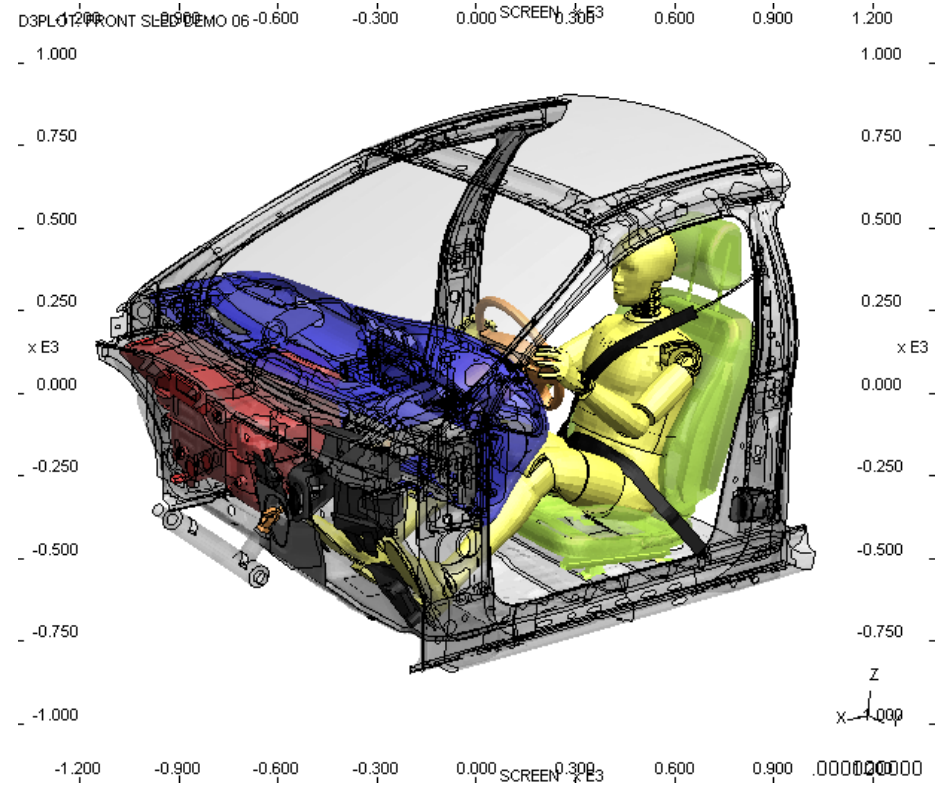
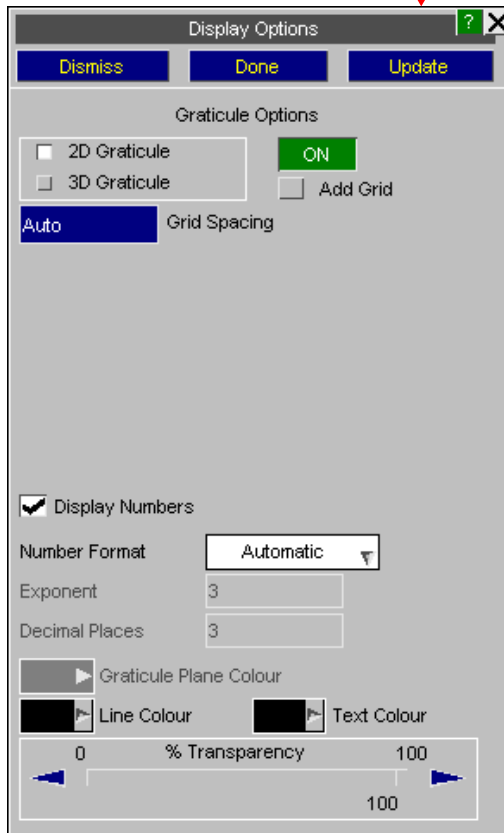
'Window dressing' controls which additional items are added to plots.



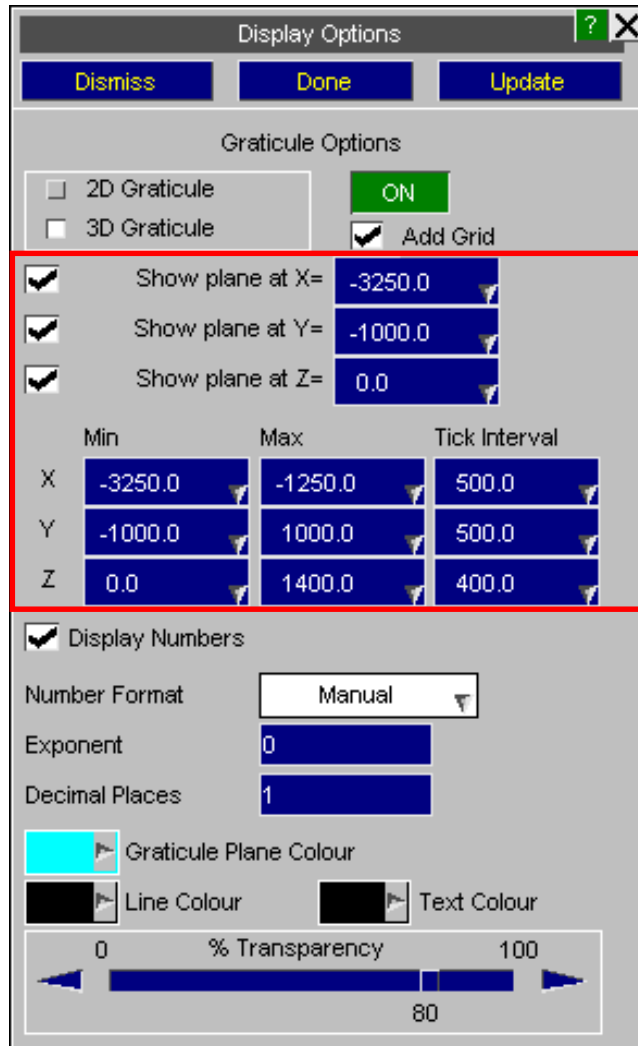
# Graticule (2D)



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.

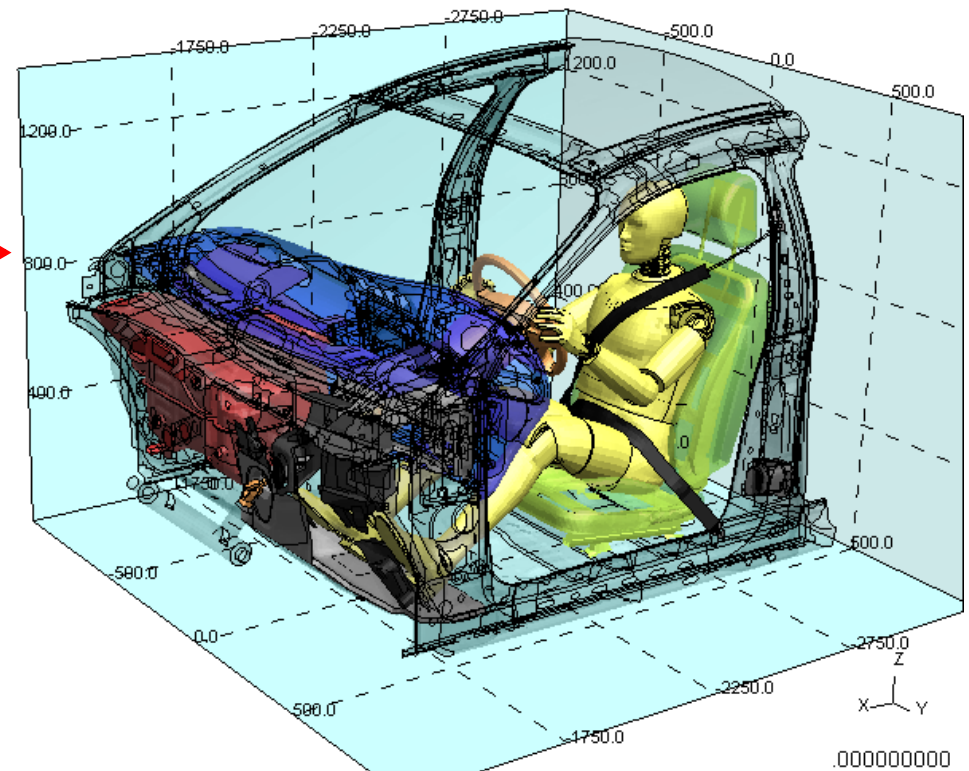


# Graticule (3D)



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

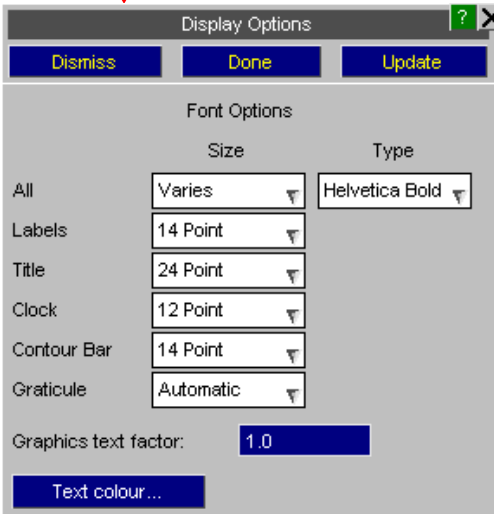
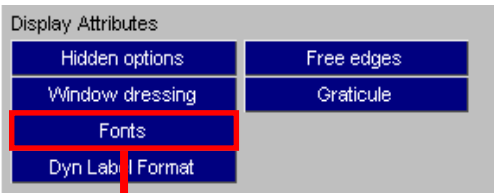
D3PLOT: FRONT SLED DEMO 06



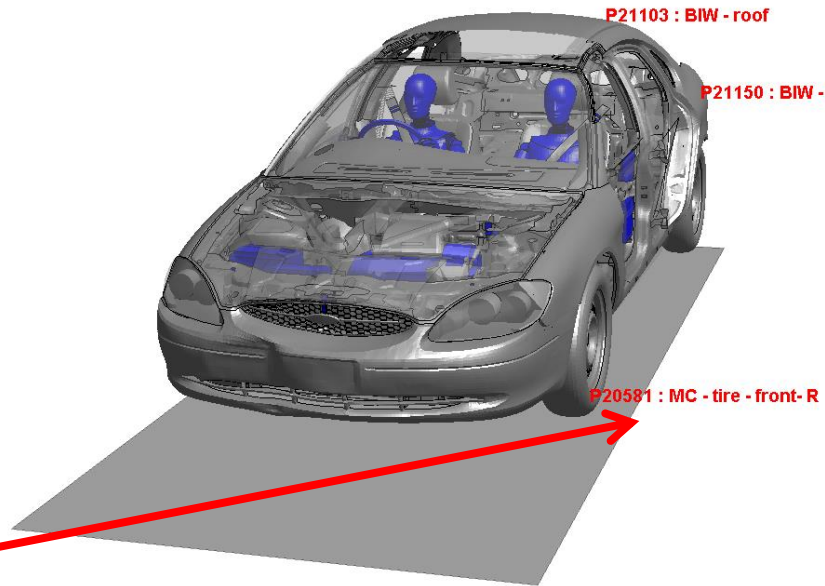
# Fonts

Set text font size for:

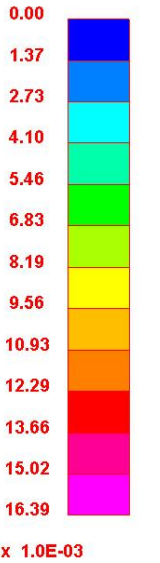
- Labels
- Title
- Clock
- Contour Bar
- Graticule



D3PLOT: VEH\_21



Von Mises Stress  
(Mid surface)



4.999995

# 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.

Display Options ? X

**Dismiss** Done **Update**

Element Switches

Back faces	Internal faces
Local triads	Material triads

Element Appearance

Spring symbols	Beam symbols
Belt symbols	SPH symbols
Other symbols	AB Pole symbols
Spotweld symbols	X-Section symbols
SPC symbols	Load Path symbols
DES symbols	Interface symbols
Solid SPG	Stochastic Particles
NRB Symbols	Thick Shells

Display Switches

Model box	Undeformed
<b>Nastran LC List</b>	

Display Attributes

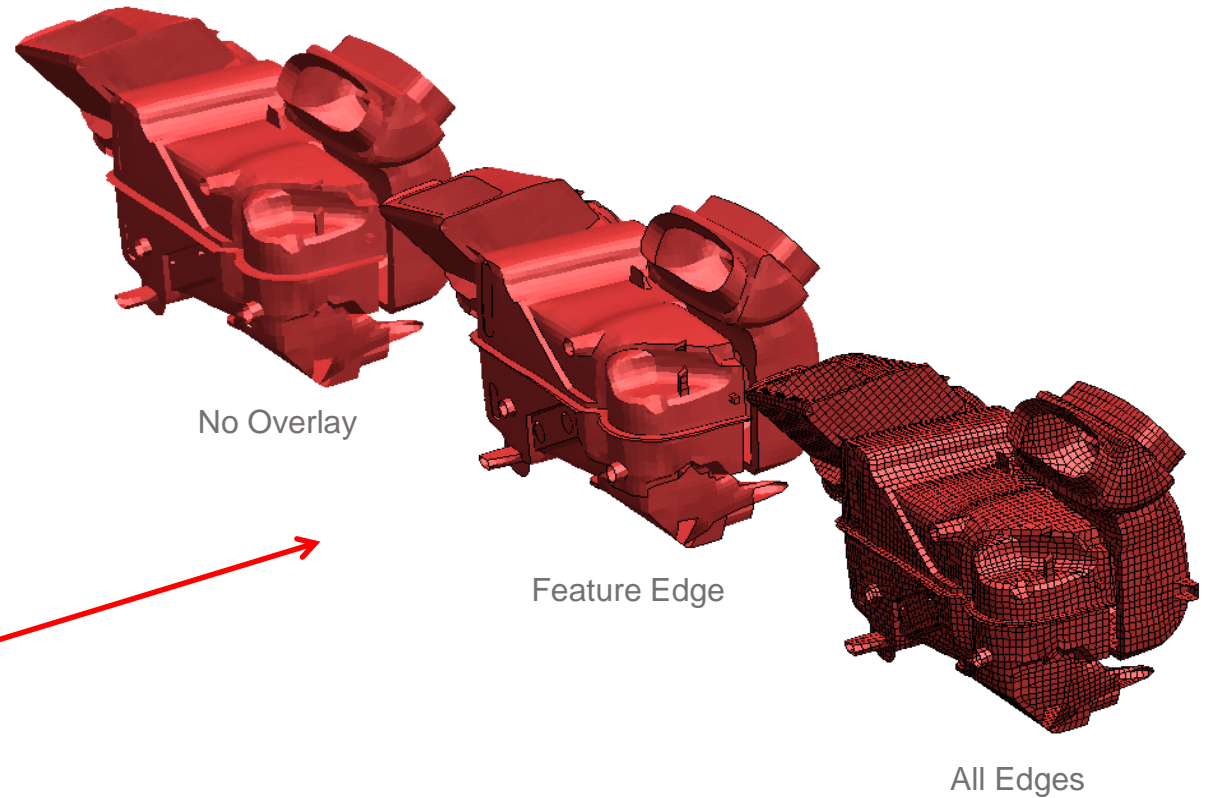
Hidden options	Free edges
Window dressing	Graticule
Fonts	
Dyn Label Format	

Overlay Display

<input type="checkbox"/> Off	WHITE	BLACK
<input type="checkbox"/> Free edge	RED	CYAN
<input type="checkbox"/> Feature edge	GREEN	MAGENTA
<input type="checkbox"/> All edges	BLUE	YELLOW
	ELEMENT	GREY

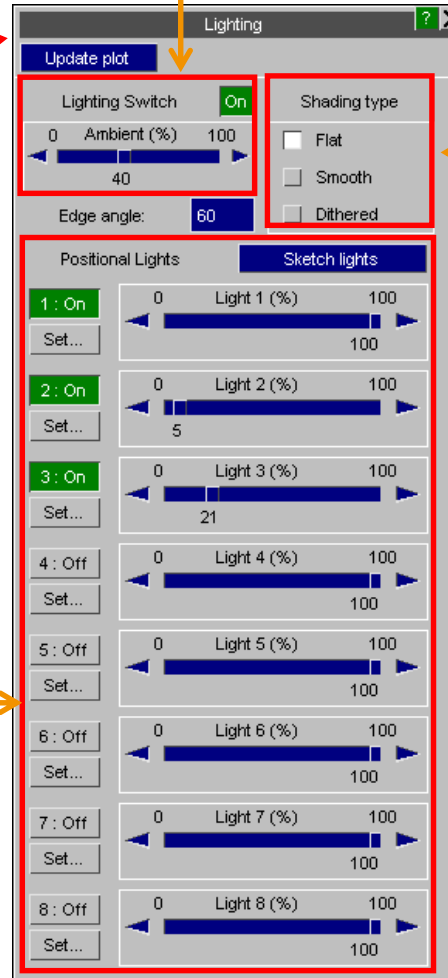
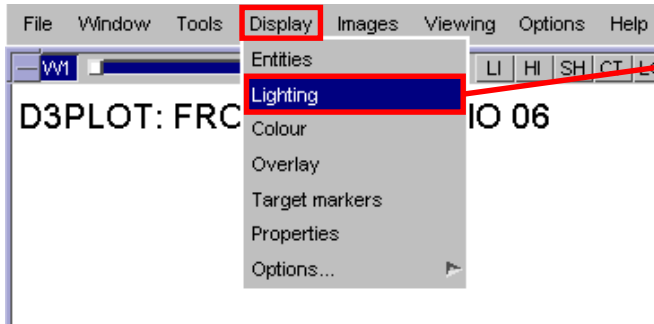
60 Edge angle

Ignore transparency for Overlay



# 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)



## Contact Information

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