

# Curve Manager

# Blanking

Curves can be managed using the curve manager. To access the curve manager menu, click the 'Curves' menu button.

Within the 'Curve Manager' menu, the curves that are plotted can be blanked and unblanked. One way of blanking the curves is to click on the red/green buttons (red=blanked).

When blanking/un-blanking curves using this method, it is important to refresh T/HIS in order to display the changes carried out. This is done by pressing the 'Spacebar' button on a keyboard.

Also pressing the 'A' button on a keyboard will auto scale the graph and refresh T/HIS.

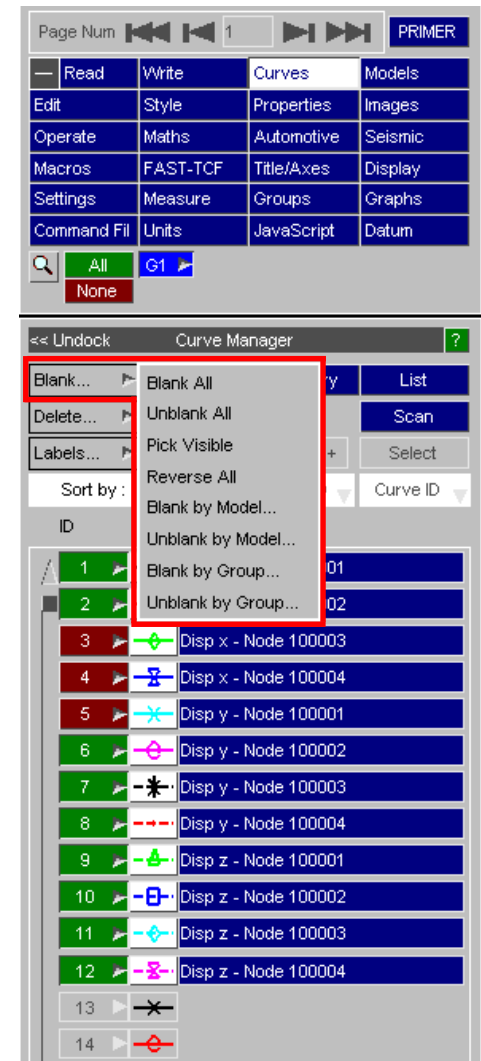
The image shows a software interface with a menu bar and a 'Curve Manager' window. The 'Curves' menu is highlighted in red, and a red arrow points to it from the text box above. The 'Curve Manager' window has a toolbar with buttons for 'Blank...', 'Delete...', and 'Labels...'. Below the toolbar is a table of curves with columns for 'ID' and 'Label'. The table contains 10 rows of data. The first three rows (ID 1, 2, 3) have red buttons, and the remaining seven rows (ID 4-10) have green buttons. A red box highlights the first three rows, and a red arrow points from the text box below to the first row.

ID	Label
1	Disp x - Node 8
2	Disp x - Node 88
3	Disp x - Node 89
4	Disp y - Node 8
5	Disp y - Node 88
6	Disp y - Node 89
7	Disp z - Node 8
8	Disp z - Node 88
9	Disp z - Node 89
10	

# Blanking

Within the 'Curve Manager' menu, curves can be blanked using the 'Blank' button. Clicking this button brings up a range of blanking options:

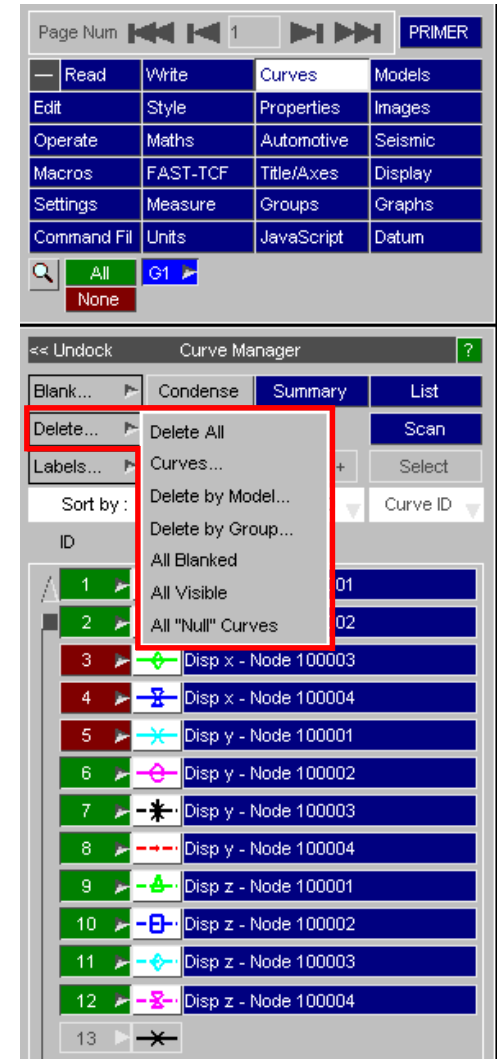
- **Blank All** – Blank all curves.
- **Unblank All** – Unblank all curves.
- **Pick Visible** – Pick curves to be blanked from the screen.
- **Reverse All** – Reverse the blanking status of all curves.
- **Blank by Model...** - Blank curves belonging to a model.
- **Unblank by Model...** - Unblank curves belonging to a model.
- **Blank by Group...** - Blank curves by curve group.



# Delete

Within the 'Curve Manager' menu, curves can be deleted using the 'Delete' button. Clicking this button brings up a range of delete options:

- **Delete All** – Deletes all current curves.
- **Curves...** – Select a group of curves for deletion.
- **Delete by Model...** – Delete curves that belong to a model.
- **Delete by Group...** – Delete curves by curve group.
- **All Blanked** – Delete all curves that are currently blanked.
- **All Visible** – Delete all curves that are currently unblanked/visible.



# Condense

The 'Condense' function within 'Curve Manager', removes gaps left by deleted curves.

The screenshot displays the software's main menu and the 'Curve Manager' panel. The 'Condense' button in the 'Curve Manager' panel is highlighted with a red box and a red arrow pointing to it from the text box on the left. The 'Curve Manager' panel shows a list of curves with their IDs and labels.

ID	Label
1	Disp x - Node 100001
2	New Title for Curve
3	Disp x - Node 100003
4	Disp y - Node 100001
5	Disp y - Node 100002
6	Disp y - Node 100003
7	Disp z - Node 100001
8	Disp z - Node 100002
9	Disp z - Node 100003

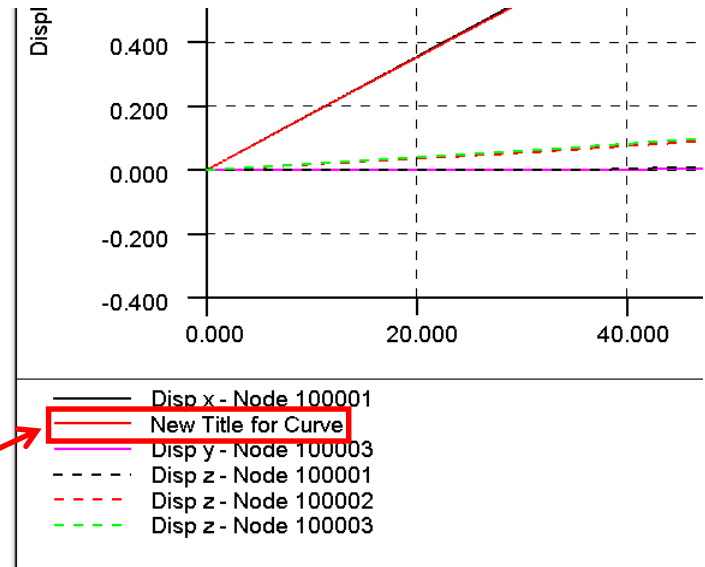
# Labelling

Within the 'Curve Manager' menu, it is possible to edit the curve title by typing the desired text into the 'Label' text entry box.

Note, once the new title has been entered, press the 'Spacebar' button on a keyboard to refresh T/HIS and display the changes carried out.

The screenshot shows the software interface with the 'Curve Manager' menu open. The menu includes options like Read, Write, Curves, Models, Edit, Style, Properties, Images, Operate, Maths, Automotive, Seismic, Macros, FAST-TCF, Title/Axes, Display, Settings, Measure, Groups, Graphs, Command Fil, Units, JavaScript, and Datum. Below the menu is a search bar with 'All' and 'G1' buttons. The 'Curve Manager' window shows a table of curves with columns for ID and Label. The second curve is highlighted with a red box and labeled 'New Title for Curve'.

ID	Label
1	Disp x - Node 100001
2	New Title for Curve
3	Disp x - Node 100003
4	Disp y - Node 100001
5	Disp y - Node 100002
6	Disp y - Node 100003
7	Disp z - Node 100001
8	Disp z - Node 100002
9	Disp z - Node 100003



The curves in the legend appear in the same order as in the curve manager.

# Sorting

Curves can be sorted within the 'Curve manager' menu. There are a range of options to sort the curves by.

The screenshot shows the 'Curve Manager' window with the 'Sort by' dropdown set to 'Curve ID'. The list of curves is sorted by their ID, from 1 to 14. Each row includes an ID, a small icon, and a label.

ID	Label
1	Disp x - Node 100001
2	Disp x - Node 100002
3	Disp x - Node 100003
4	Disp x - Node 100004
5	Disp x - Node 100005
6	Disp x - Node 100006
7	Disp x - Node 100007
8	Disp x - Node 200001
9	Disp x - Node 200002
10	Disp x - Node 200003
11	Disp x - Node 200004
12	Disp x - Node 200005
13	Disp x - Node 200006
14	Disp x - Node 200007



The screenshot shows the 'Curve Manager' window with the 'Sort by' dropdown set to 'Entity ID'. The list of curves is sorted by their Entity ID, from 1 to 32. Each row includes an Entity ID, a small icon, and a label.

ID	Label
1	Disp x - Node 100001
15	Disp y - Node 100001
29	Disp z - Node 100001
2	Disp x - Node 100002
16	Disp y - Node 100002
30	Disp z - Node 100002
3	Disp x - Node 100003
17	Disp y - Node 100003
31	Disp z - Node 100003
4	Disp x - Node 100004
18	Disp y - Node 100004
32	Disp z - Node 100004
5	Disp x - Node 100005
19	Disp y - Node 100005

# Sorting

The sorting option chosen for the curves within 'Curve Manager' is applied throughout T/HIS.

When accessing different menus within T/HIS, the curves are listed in the same 'Sort' format that is set in the 'Curve Manager' menu.

The screenshot shows the T/HIS software interface. At the top, there is a 'Page Num' field with navigation arrows and a 'PRIMER' button. Below this is a menu bar with options: Read, Write, Curves, Models, Edit, Style, Properties, Images, Operate, Maths, Automotive, Seismic, Macros, FAST-TCF, Title/Axes, Display, Settings, Measure, Groups, Graphs, Command Fil, Units, JavaScript, Datum. A search bar contains 'All' and 'G1'. Below the menu bar is a 'None' button.

The 'Operate' dialog box is open, showing a grid of options:

ABS	ADD (y)	ADD (x)	AVE	CAT	CLIP
COM	DIF	DIV (y)	DIV (x)	ENV	ERR
INT	LSQ	MAP	MAX	MIN	MON
MUL (y)	MUL (x)	NOR (y)	NOR (x)	ORDER	REC
RES	REV	R-AVE	SMO	SQR	STRESS
SUB (y)	SUB (x)	SUM	TRA	VEC	VEC(2D)
VMINDOW	ZERO	dB	dBa	Octave	

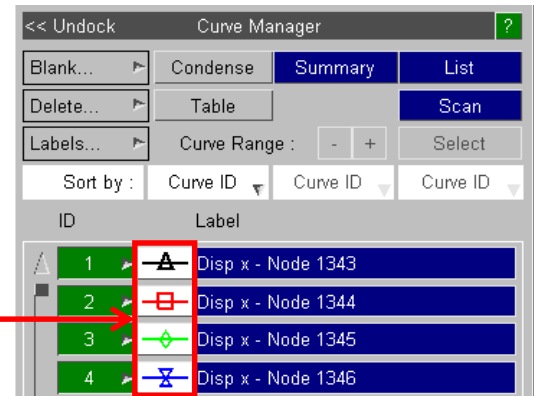
Below the grid, there is a checkbox for 'Copy Style from Input to Output Curve' which is checked. An 'Apply' button is visible. The 'Output' field is set to '% (highest+1)'. Below this, there is a 'Group 1: #0' field and a 'Filter...' button. The 'Show Groups' button is checked. The 'Key in:' field is empty. A 'Pick' button is visible. Below the 'Pick' button, there is a list of curves:

- #1 : (M1) Disp x - Node 100001
- #15 : (M1) Disp y - Node 100001
- #29 : (M1) Disp z - Node 100001
- #2 : (M1) Disp x - Node 100002
- #16 : (M1) Disp y - Node 100002
- #30 : (M1) Disp z - Node 100002
- #3 : (M1) Disp x - Node 100003
- #17 : (M1) Disp y - Node 100003
- #31 : (M1) Disp z - Node 100003
- #4 : (M1) Disp x - Node 100004
- #18 : (M1) Disp y - Node 100004
- #32 : (M1) Disp z - Node 100004
- #5 : (M1) Disp x - Node 100005
- #19 : (M1) Disp y - Node 100005
- #33 : (M1) Disp z - Node 100005
- #6 : (M1) Disp x - Node 100006
- #20 : (M1) Disp y - Node 100006
- #34 : (M1) Disp z - Node 100006

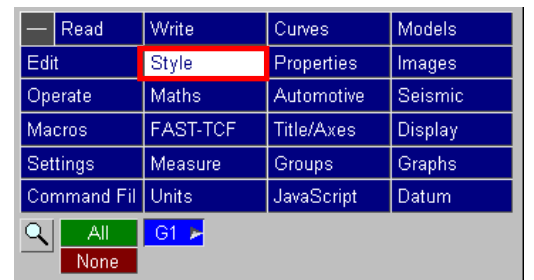


# Curve Style

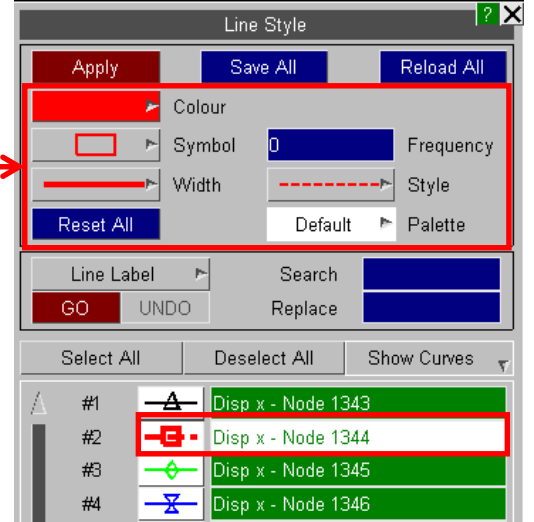
Curve styles can be changed by clicking on the style button in the 'Curve Manager' menu.



This will open the 'Style' menu where the curve colour, symbol, line width and line style can be modified.



The style the curve is being applied to is highlighted in white. Styles can be applied to multiple curves at the same time using the 'Shift' and 'Ctrl' buttons to select more than one curve.



# Curve Table

The image shows two panels from a software interface. The top panel is the 'Curve Manager' with a menu bar containing 'Blank...', 'Condense', 'Summary', 'List', 'Delete...', 'Table', and 'Scan'. The 'Table' option is highlighted with a red box. Below the menu is a 'Labels...' section with 'Curve Range' and 'Select' buttons. The bottom panel is a list of curves with columns for ID, Label, and a small icon. The list contains five entries:

ID	Label
1	Vel y - Whole Model
2	Disp x - Node 1343
3	Disp x - Node 1344
4	Disp x - Node 1345
5	Disp x - Node 1346

The curve table offers another method of manipulating multiple curves. Curves can be grouped for easier editing and formatting.

The image shows the 'Curve Table' window with a table of curves. The table has columns for ID, Label/Group Name, Directory, Model/File, Type, Entity ID, Component, and Style. A red arrow points from the 'Table' button in the Curve Manager to the 'GROUP' row in the table. A context menu is open over the 'GROUP' row, with options: 'Create Group...', 'Add to Group...', 'Delete...', 'Colour...', 'Line Width...', 'Line Style...', 'Symbol...', and 'Dismiss'.

ID	Label/Group Name	Directory	Model/File	Type	Entity ID	Component	Style
1	Vel y - Whole Model	C:\Users\zak.lawre	1	Model		Vel y	—
2	Disp x - Node 1343	C:\Users\zak.lawre	1	Node	1343	Disp x	—
3	Disp x - Node 1344	C:\Users\zak.lawre	1	Node	1344	Disp x	—
4	Disp x - Node 1345	C:\Users\zak.lawre	1	Node	1345	Disp x	—
5	Disp x - Node 1346	C:\Users\zak.lawre	1	Node	1346	Disp x	—
1	Model_1	C:\Users\zak.lawre	1	GROUP	*	*	Mixed

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