

Oasys T/HIS 9.3

October 2008

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T/HIS - recent version history

This presentation is intended for existing users who are already familiar with the previous release, T/HIS 9.3 RC2. Descriptions of the features that were introduced in versions 9.3 RC1 and 9.3 RC2 are available in a separate presentation, downloadable from our website.

- T/HIS 9.3 RC1 July 2007
 - New graphics driver using OpenGL – much faster to draw
 - Multiple Graphics Windows and Pages
 - Quick-pick menu for blanking/unblanking and setting the appearance of curves
 - Control over fonts and text colours.
 - Draggable axis positions, etc
 - New option for “floating” legend
 - Edit menu – new screen-pick options
 - Support for LS971 output files
 - GIF and PNG image output formats, PDF output

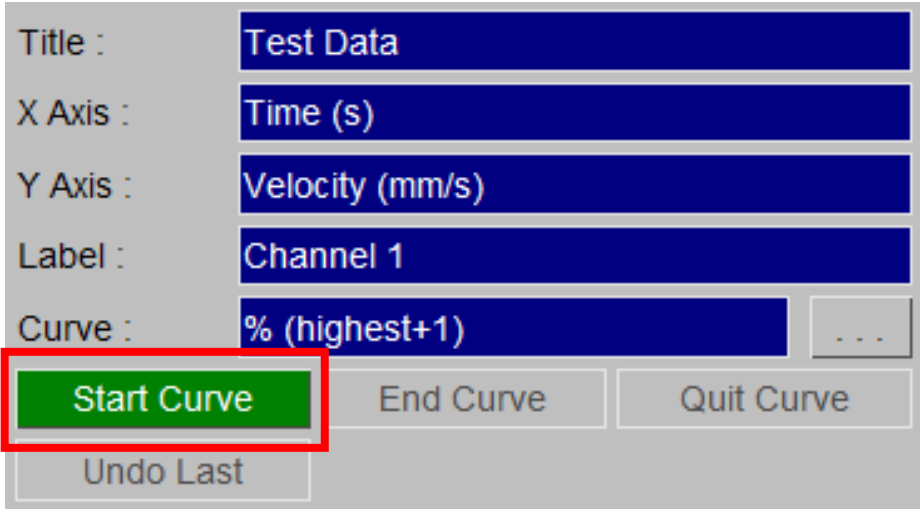
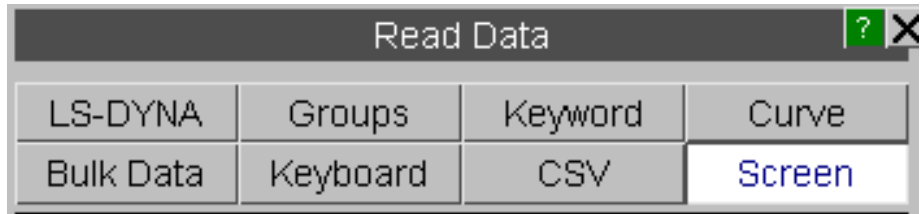
- T/HIS 9.3 RC2 December 2007
 - New curve correlation function
 - Unlimited curve groups
 - New Shell and Thick Shell data components from the LSDA file
 - New nodal data components (current & basic coordinates, X,Y,Z)
 - New command line options for opening multiple models and curve files

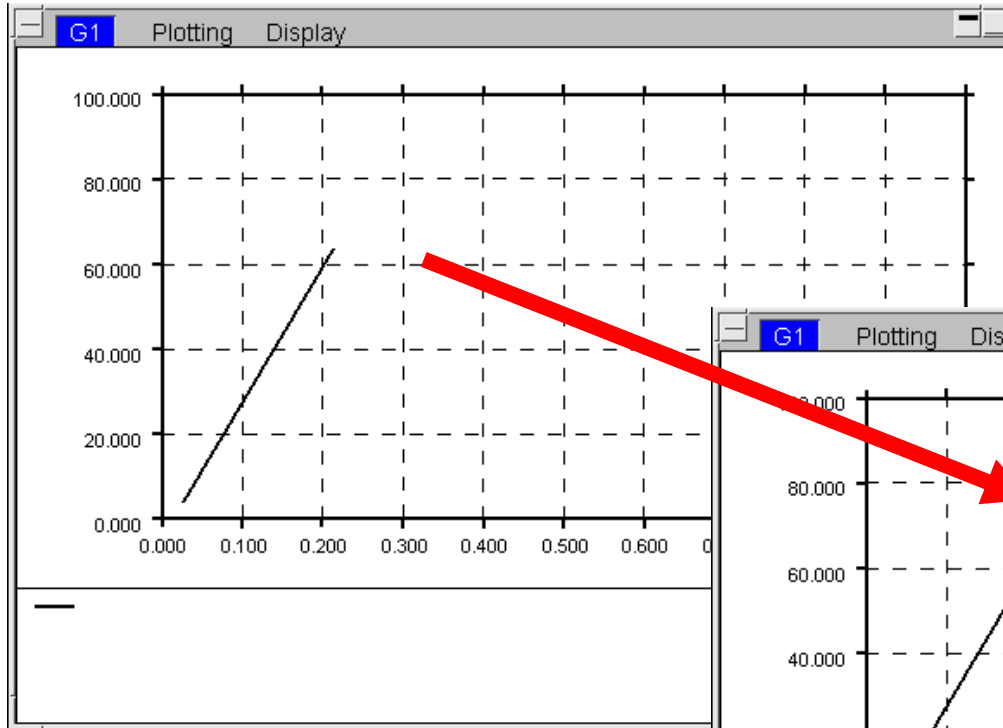
General Notes

- For this release, we have updated T/HIS's security.
- All users will require a new licence file and a new (Version 10) FLEXlm licence server. These are available through Oasys or your local distributor.
- 9.3 is a full release of the full suite of Oasys software products. The release includes:
 - All Oasys software (PRIMER, D3PLOT, T/HIS, REPORTER, Oasys Shell)
 - Full online manuals (html and pdf)
 - Release notes
 - Presentations describing the new features
 - Library directory for each program containing example scripts (Primer and D3PLOT) and Macros (T/HIS).

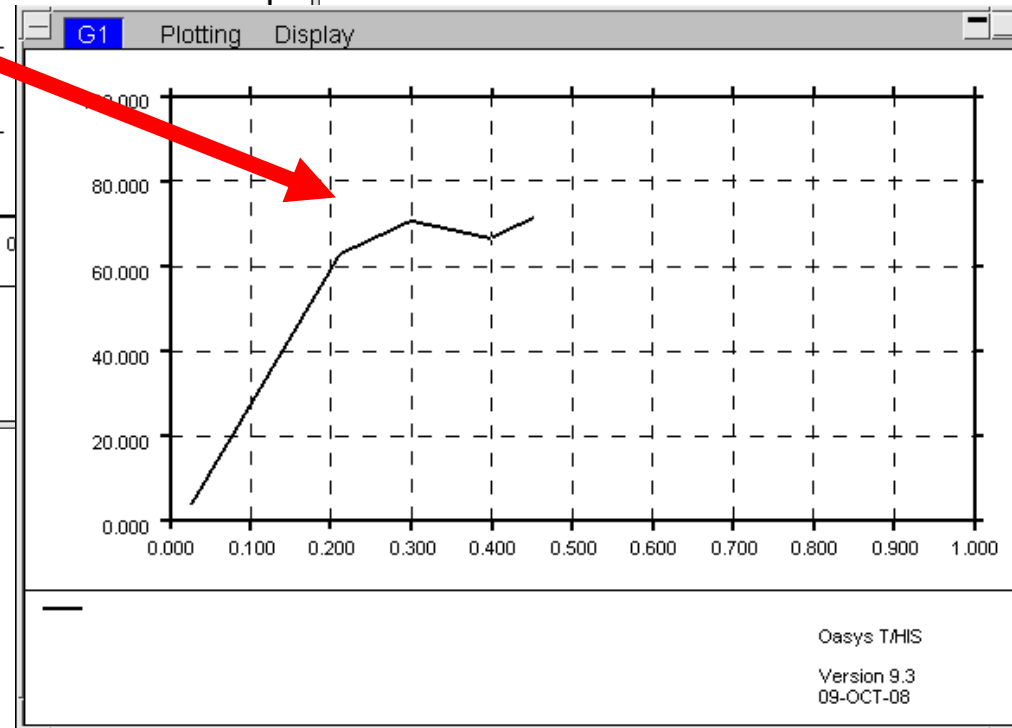
- T/HIS can now read files using the XYdata file format produced by LS-PREPOST.
- “Eroded Energy” is now available for PARTS from the MATSUM ASCII file.
- The ‘READ CSV’ option can now read axis labels as well as curve labels and from a CSV file. By default the axis labels are read from the 2nd row of the file.
(The FAST-TCF commands for reading data from CSV files have been extended to include new options for reading the axis labels.)
- In previous versions of T/HIS curves that were written out to curve files were always output in order of increasing curve ID. In version 9.3 onwards curves are output in the order they are selected.

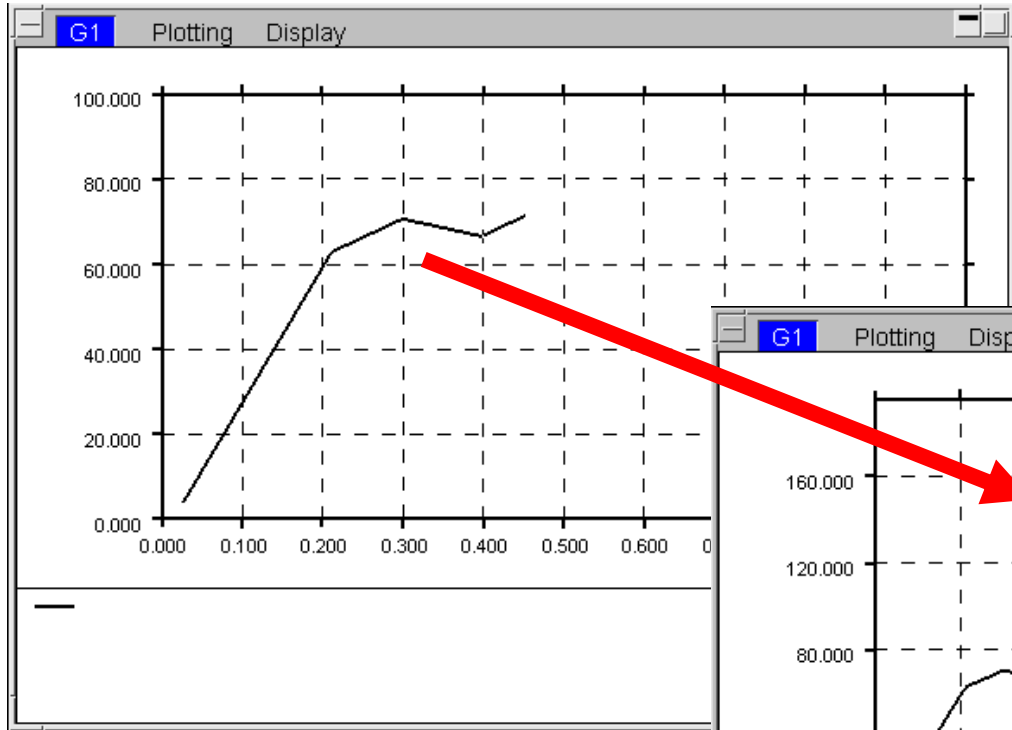
- The “READ” menu now contains a new “SCREEN” option for creating curves interactively
- After selecting “Screen” enter the curve labels and then select “Start Curve” to start creating points.



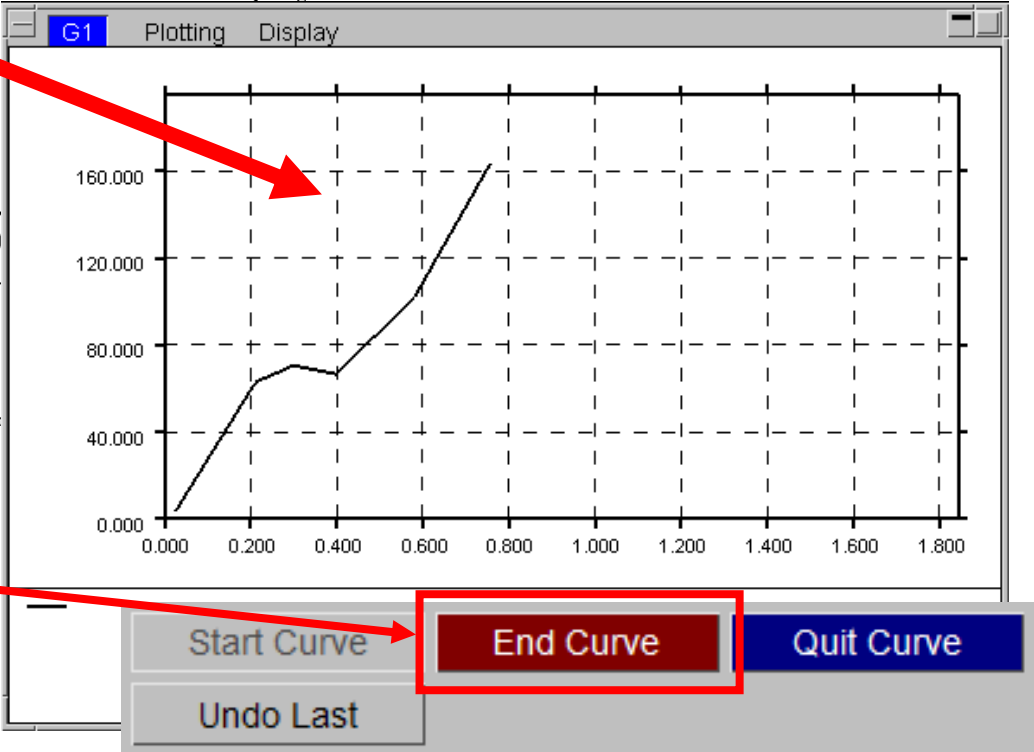


- Select points on the screen to create the curve.



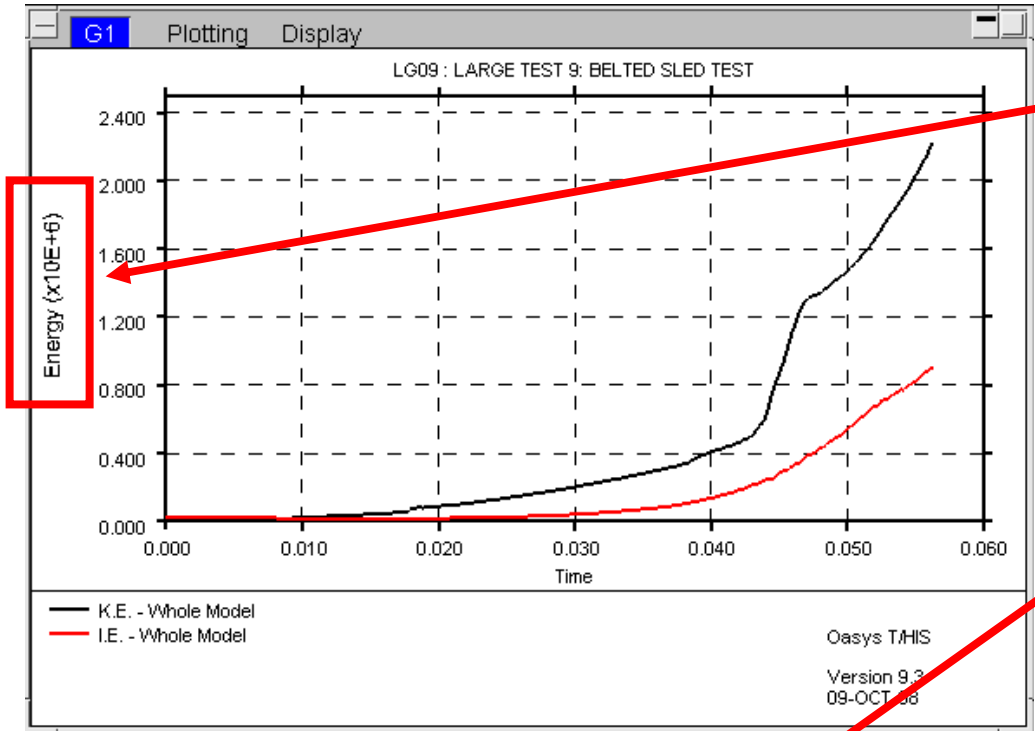


- While creating a curve dynamic viewing can still be used to change the scale.



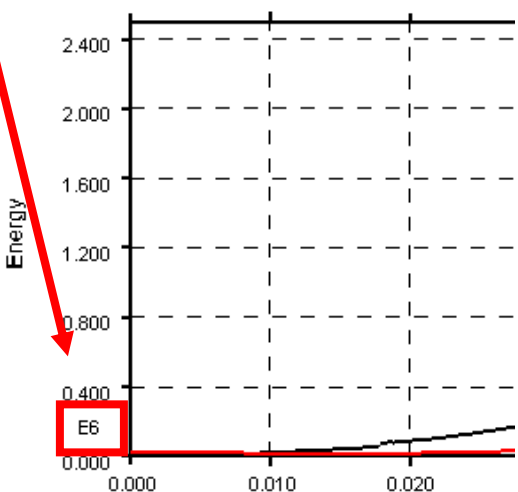
- Select 'End Curve' to finish and save the curve.

Axis Scale Factors



- By default axis scale factors are now added to the axis labels.
- The old option can be selected via either the axis properties menu, or set as a default via the preference file.

Units Add Exponent to Label
Format Automatic



- 2 new automatic variables are now available for FAST-TCF scripts for controlling the output when multiple models are being used.

FTCF_PATH	-	Full pathname of the directory containing the FAST-TCF script.
RUN_DIR	-	Full pathname of the directory containing the results for a model. If multiple models are used in a script then RUN_DIRn can be used where (n) is the model number.

- The Description that is output for a curve value using the TABA command in FAST-TCF can now contain specific keywords that will be replaced with curve properties. The current list of keywords is:

{tag}	replaced with the curves FAST-TCF tag
{label}	replaced with the curves label
{id}	replaced with the ID of the item used to create the curve
{model}	replaced with the model ID the data came from

For example the command

```
E:\sleout_00.tab sle_* min Model M{model} Contact {id}
```

Would produce a descriptions similar to

```
Model M1 Contact 1 .....
```

```
Model M1 Contact 2 .....
```

- The format of numbers printed out using the 'TAB' option in FAST-TCF can now be set using 'C' format specifier. Only f,e,E,g and G formats should be used.

This option is activated by adding an additional 'format' argument to the tab command in FAST-TCF followed by the format specifier. This must be after the data value requested and before any description or varf options.

For example the command

```
tab e:\output.tab sle_* min varf peak max energy
```

would become

```
tab e:\output.ab sle_* min format %.2f varf peak max  
energy
```

If you wanted to print values out with two decimal places.



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