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`\end{maplespreadsheet}`

where the optional argument `table01.tab` refers to a file that contains a specially encoded version of the table used by techexplorer to load the table into an active session. The third argument of each `mapleinline` contains the actual code, while the fourth argument represents what is displayed. The fourth argument may be a call to `\maplemultiline`.

Defined Styles

- The document preamble also includes macros that define the LaTeX appearance of the Maple worksheet styles. The Maple default styles are all predefined in a manner that approximates their appearance in the worksheet.
- Some examples of such automatically generated LaTeX definitions are

% Named Maple Paragraph Styles

`\newenvironment{Normal}{\normalsize\rmfamily\mdseries{}}{}`

`\newenvironment{Text Output}{\normalsize\ttfamily\mdseries{}}{}`

`\newenvironment{Title}{\begin{center}\rmfamily\Large\bfseries\upshape}%`

`{\end{center}}`

% Named Maple Character styles

`\newenvironment{Warning}{\ttfamily{}}{}`

`\def\HyperLink#1{{\normalsize\rmfamily\itshape #1}}`

Character style names with blanks in them require a special encoding in LaTeX, but are handled in much the same manner.

- In addition, placeholder LaTeX macro definitions are included for each user-defined Maple style. The placeholder LaTeX macros cause all user-defined styles to appear as normal text, but they are easily customized (by editing the source document) to achieve special effects in LaTeX. For example, the user-defined Maple character style "Special Text" might initially appear in the LaTeX document preamble as

`\expandafter\def\csname Special Text\endcsname#1{%`

`{\normalsize\rmfamily\mdseries #1}}`

- This character style definition can be edited directly to use large italic by changing it to read

`\expandafter\def\csname Special Text\endcsname#1{%`

`{\large\rmfamily\itshape #1}}`

Changing Overall Layout Parameters

- You can change the overall layout either by choosing a different document class, for example

`\documentclass[10pt]{book}` % a standard LaTeX style

`\usepackage{maplestd2e}`

or by making a copy of the "maplestd2e.sty" file and editing some of the parameters that are set in that file. These parameters control properties such as page height and width and the amount of spacing above and below Maple objects.

Exporting Worksheets Containing Plots

- When you export a Maple worksheet that contains Maple-generated plots, each plot is regenerated by Maple in PostScript and saved to a separate file. The plot file names are generated automatically from the name of the worksheet and are numbered sequentially.

A reference to the exported PostScript file, such as

`\mapleplot{worksheetname01.ps}`

is inserted into your LaTeX file at the location where the inline plot will appear.

Printing LaTeX Files Containing Maple Plots

- To process a LaTeX file that contains macros of the form `\mapleplot{...}`, LaTeX must know which dvi-to-PostScript conversion program is to be used.
- By default, it is assumed that the PostScript conversion program `dvips` is in use, but there are several other such programs to choose from, depending on which LaTeX installation you are using.

- To make use of a different dvi-to-PostScript converter (for example, `dvi2ps`), modify the `maplestd2e` usepackage definition in your document preamble to read

`\usepackage[dvi2ps]{maplestd2e}`

- If you do not have any dvi-to-PostScript conversion program installed, modify the usepackage macro call to read

`\usepackage[noplots]{maplestd2e}`

Setup for Classic Maple LaTeX Documents

- To format and print documents exported (or saved) as LaTeX from Classic Maple worksheets (`.mws` files), use the LaTeX style package `maple2e.sty`. This style file is also located in the `etc` subdirectory of your Maple installation. Follow the instructions above to copy the contents of the `etc` directory to the location with your LaTeX file. In the document preamble, the following command instructs LaTeX to use the `maple2e` package.

`\documentclass[fullpage,11pt]{article}` % a standard LaTeX style

`\usepackage{maple2e}`

- The formatting and style macros are the same as those described above for `maplestd2e`.

- To set the dvi-to-PostScript converter (for example, **dvi2ps**), modify the usepackage definition in your document preamble to read

```
\usepackage[dvi2ps]{maple2e}
```

See Also

[latex](#)



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