

Importing Maple Graphs into a L^AT_EX document

Maple files can be exported as L^AT_EX files. There is a problem with this option unless you use the “classic” worksheet in Maple. So rather than typing “xmaple &” at a terminal prompt, simply type “maple -cw &” instead. This gives the classic worksheet without all the java. The output from the tex file is still not very nice. I would recommend using the “graphicx” package instead. Hence the beginning of your file should look like:

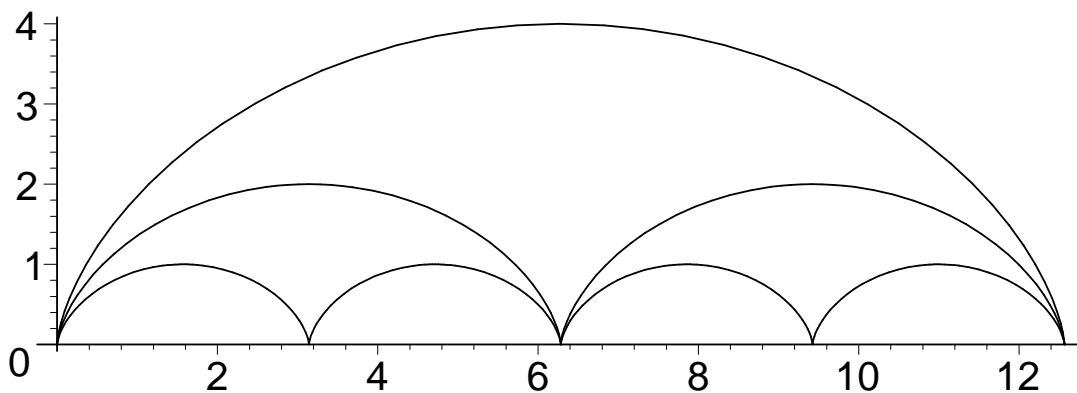
```
\documentclass{article}
\usepackage{2130}
\usepackage{graphicx}
```

The following plot commands were cut and pasted from the .tex file “exported” from the “cycloids.mws” Maple worksheet and put within the “verbatim” environment.

```
> p2:=plot([2*(t-sin(t)),2*(1-cos(t)),t=0..2*Pi],scaling=constrained,
           color=black):
> p1:=plot([t-sin(t),1-cos(t),t=0..4*Pi],scaling=constrained,color=black):
> p0:=plot([0.5*(t-sin(t)),0.5*(1-cos(t)),t=0..8*Pi],scaling=constrained,
           color=black):
> plots[display]({p0,p1,p2});
```

Then the plot was produced with the command:

```
\includegraphics[height=5cm,keepaspectratio=true]{cycloids01.eps}
```



Maple exports the graphs as Encapsulated PostScript files. The name of the worksheet is used in the naming of these EPS files and they are numbered starting with the number 01. Since our worksheet is called “cycloids.mws”, our graph has the name “cycloids01.eps”.