

INSERTING A FIGURE INTO LATEX

To insert a figure into a LaTeX document, be sure that the line:

```
\usepackage{graphicx}
```

appears BEFORE `\begin{document}`

Here is an example: I created a plot in Maple, I right-clicked on the figure, and I chose:

Export -> Encapsulated Postscript

I saved the figure as: `testplot1.eps`

Now, here's my LaTeX document into which I insert the figure:

```
\documentclass{article}
```

```
\usepackage{graphicx}
```

```
\begin{document}
```

```
\begin{figure}
```

```
\centering
```

```
\includegraphics[width=4.0in]{testplot1}
```

```
\caption{This is the caption for my plot.}
```

```
\label{Fig1}
```

```
\end{figure}
```

In the text somewhere, if I want to reference the figure, I would use something like this: Refer to my beautiful plot in Figure `\ref{Fig1}`.

```
\end{document}
```

Notice that I am using a CAPTION and a LABEL. When I refer to the figure, I use the label- In this case, I wrote `\ref{Fig1}`.

EXTRA: If at some point you want to convert your document into PDF format, it's nice to also have your figure available in JPEG format. I almost always save two copies of my figure (one ending with `*.eps` and one ending in `*.jpg`).

We'll talk about PDF conversions later..