

Figure 1: This is me, T<sub>E</sub>X!

## 8.2 Floating Figures

But the figure is not floating. It doesn't look right within the paragraphs unless its size is very small. If you want a floating figure, use the `figure` environment and you can add caption (`\caption{This is me, TEX!}`) and label (`\label{tex}`) to it. Centering it with `\centering`. And then you can refer to it as `\ref{tex}`. Note: `\label` must follow `\caption`. See figure 1.

## 8.3 Insert format other than EPS

If you want to use images other than EPS. You must convert them to EPS. If you use JPEG. You can convert it to EPS with the program `jpeg2ps` and then insert the EPS file. Or you can automatically convert it. To use the automatic conversion. First, you declare some file extension for use:

```
\DeclareGraphicsExtensions{.eps,.eps.gz,.jpg,.jpeg,.png}
```

And then declare a conversion command:

```
\DeclareGraphicsRule{.jpg}{eps}{.bb}{'jpeg2ps -r 100 #1}
```

Later you get the bounding box of your JPEG file into a `.bb` file with the program `ebb`.

```
ebb cat.jpg
```

Then you can insert your pic like figure 2.

```
\includegraphics{cat}
```

When the dvi file is converted to PS, `dvips` will call the program `jpeg2ps`.

## 8.4 Rotate and Scale Figures

You can Scale your figure using `\scalebox{h}[v]{object}`. See figure 3.

## 8.5 Boxed figures

See some

boxed figures
<div>ovalbox</div> <div>doublebox</div> <div>Ovalbox</div>