

First document

Hubert Farnsworth *

February 2017

We have now added a title, author and date to our first L^AT_EX document!

Some of the **greatest** discoveries in science were made by ***accident***.

*funded by the Overleaf team

Captions, labels and references

Images can be captioned, labelled and referenced by means of the **figure** environment as shown below:

```
\begin{figure}[h]
  \centering
  \includegraphics[width=0.25\textwidth]{mesh}
  \caption{a nice plot}
  \label{fig:mesh1}
\end{figure}
```

As you can see in the figure `\ref{fig:mesh1}`, the function grows near 0. Also, in the page `\pageref{fig:mesh1}` is the same example.

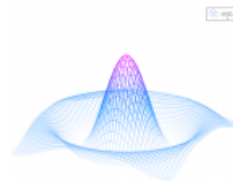


Figure 3: a nice plot

As you can see in the figure 3, the function grows near 0. Also, in the page 7 is the same example.

➡ [Open an example in Overleaf](#)

There are three important commands in the example:

- **`\caption{a nice plot}`**: As you may expect this command sets the caption for the figure. If you create a list of figures this caption will be used there. You can place it above or below the figure.
- **`\label{fig:mesh1}`**: If you need to refer the image within your document, set a label with this command. The label will number the image, and combined with the next command will allow you to reference it.
- **`\ref{fig:mesh1}`**: This code will be substituted by the number corresponding to the referenced figure.

When placing images in a \LaTeX document, we should always put them inside a **figure** environment or similar, so that \LaTeX will position the image in a way that fits in with the rest of your text.

Note: If you are using captions and references on your own computer, you will have to compile the document twice for the references to work. Overleaf will do this for you automatically.

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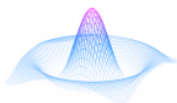


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Good. 1

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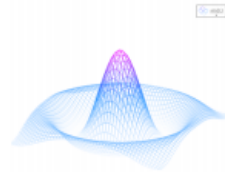


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