



FIGURE 1. The two bridge knot $(p, 2, q)$ and its two typically inequivalent closed 3-braid representatives.

Using L^AT_EX with XFig

1. TYPING THE TEXT ON THE FIGURE

After (or while) drawing your figure, add text to it as follows.

- Select the typing tool — the box with the T.
- At the bottom of the window among the options you will see **Text Flags hidden=off**. Click it and switch the special flag from **normal** to **special**.
- Now click on the figure where you want the L^AT_EX code to go. This gives an anchor point for the text. Type your text. Middle click (or some control key + click) to end the text.

The flag can also be switched to **special** afterwards by selecting the Edit tool and clicking on the anchor for the text. Other options are available such as left, center, and right justification in relation to the anchor point.

2. EXPORTING FOR L^AT_EX

- After saving the figure as a **name.fig**, under **File** select **Export**. In the included example, we have **p2qknot.fig**.
- In the Export menu, change **Language** to **Combined PS/LaTeX (both parts)**.
- Next hit **Export** at the bottom of the menu.
- This will produce two files **name.pstex** and **name.pstex.t**; you need both in the directory of your L^AT_EX file. For our example we have **p2qknot.pstex** and **p2qknot.pstex.t**.

3. INSERTING INTO L^AT_EX

In the preamble of your document you need to use the packages **color** and **epsfig**. Call them as follows:

```
\usepackage{color}
\usepackage{epsfig}
```

In the body of your document type something along the lines of the following to get your figure. We only call upon **p2qknot.pstex.t** since that file calls upon **p2qknot.pstex** in turn.

```
\begin{figure}
\centering
\input{p2qknot.pstex.t}
\caption{The two bridge knot  $(p,2,q)$  and its two typically inequivalent
closed  $3$ --braid representatives.}
\label{fig:p2qknot}
\end{figure}
```

When compiled this gives us Figure 1.