

This document is written in L^AT_EX.

Chirun aims to convert most L^AT_EX documents to HTML without any significant changes. See the documentation on L^AT_EX compatibility.

1 Document structure

Chirun supports all of L^AT_EX's document structure commands.

You can choose to have a document rendered as a single HTML page, or split into separate pages at a certain level of the structure, such as chapters or sections.

2 Mathematical notation

In the HTML format, mathematical notation is rendered using MathJax.

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

See the documentation on MathJax's L^AT_EX support.

3 Packages

Chirun uses plasTeX to convert L^AT_EX to HTML. It has built-in support for many popular L^AT_EX packages. If you use a package it doesn't already know about, it will try to interpret the L^AT_EX version correctly.

For example, this box is generated by the `\tcolorbox` package:

4 Graphics

You can include static images, with alt text:

It's also possible to use packages like TikZ to generate diagrams in code:

5 Embedding content

5.1 Numbas test

There is a special `\numbas` command to embed a Numbas exam in the page.

In the HTML format, the Numbas exam is interactive. In PDF format, a link and QR code are shown.

xru

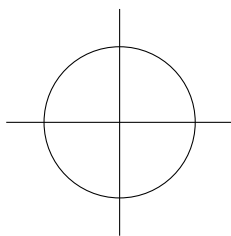


Figure 1: A circle centred at the origin.

/static/magpie.mp3



Figure 2: Recording of Eurasian magpie, downloaded from Wikimedia Commons, copyright The British Library Board, used under CC-BY-SA 4.0 International license.

/static/wobbly-clock.mp4

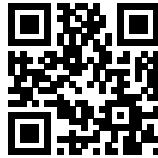


Figure 3: A wobbly clock.

Test Yourself Visit the URL below to try a numbas exam:

<https://numbas.mathcentre.ac.uk/exam/35899/easy-exam/embed>



5.2 Embedding videos from YouTube/Vimeo

You can use the `\embed` command to embed any page that supports the oEmbed protocol, such as a YouTube video.

<https://www.youtube.com/watch?v=88Mzr5JGpsY>



5.3 Audio and video files

6 Different behaviour in PDF and HTML

You can use the `\ifplastex` and `\ifpdflatex` commands to run different code for PDF and HTML formats.

This line only appears in the PDF version.