LATEX Passthrough Examples

Example 1 : Basic LaTeX Commands

You can insert custom LaTeX commands using the LATEX directive:

This paragraph has no indentation.
The LATEX block passes its content directly to the LaTeX output.

Example 2 : Custom Spacing

Control vertical spacing with LaTeX commands:

The above adds 1cm of vertical space.

You can add as much or as little space as needed.

Example 3 : Custom Formatting

Apply special formatting to text:

This text is centered, bold, and large

The LATEX blocks allow full control over typography.

Example 4 : Boxes land Frames

Create boxed text with LaTeX environments:

This text appears in a framed box. You can use this to highlight important definitions or theorems.

Example 5 : Custom Lists

Create specialized list formats:

Precondition: The input must be a natural number

Postcondition: The output is the square of the input

Invariant: The result is always non-negative

Example 6 : Theorems land Definitions

If you've loaded theorem packages, you can use them:

Theorem 1. For all natural numbers n, we have $n \geq 0$.

The LATEX directive lets you use any LaTeX environment or command.

Example 7 : Page Layout Control

Control page layout with LaTeX commands:

The clearpage command forces a page break and flushes all pending floats.

Example 8 : Mixed Z Notation land LaTeX

You can combine Z notation with custom LaTeX formatting:

$$example : \mathbb{N}$$
$$\vdash example = 42$$

Note: The above defines a constant with value 42.
This demonstrates the flexibility of mixing txt2tex notation with raw LaTeX.

Example 9 : Custom Macros

If you define custom LaTeX macros in your preamble, you can use them:

The LATEX directive is your escape hatch for any LaTeX feature not directly supported by txt2tex.