

Template Guide

A subtitle

Your name

And a note

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I Part Name

By default, the part name will appear in odd page headers. The part number will be added in roman numerals.

REQUIRED PREAMBLE DEFINITIONS

Your document will not compile without these statements.

1. `\documentclass{hayektex}`. Make sure `hayektex.cls` is accessible by your file.
2. `\title{...}`. By default, the title will appear in page headers.



OPTIONAL PREAMBLE DEFINITIONS

These definitions will help generate different parts of your document. See the title page for #3-5.

1. `\stitle{...}`. If defined, a short title will be placed in even page headers, replacing the normal title.
2. `\email{...}`. See: copyright option
3. `\author{...}`. See: authhead, copyright, and title options
4. `\subtitle{...}`. See: title option
5. `\note{...}`. See: title option

CLASS FLAGS

Usage: `\documentclass[option1, option2, etc.]{hayektex}`

1. `title` makes a title page.
2. `toc` makes a table of contents after title page (if it exists).
 - (a) `copyright` will put a copyright notice "© yourName theYear  " at the end of the table of contents (only if it exists).  is a hyperlink to your email.
3. `center` will make all pages centered (default: asymmetric).
4. `authhead` will put the author in odd headers (default: current part).

ENVIRONMENTS

All counters are generated. The first number is the current part.

1.1 Optional Theorem Name

`\begin{theorem}[name]...\end{theorem}` bubble theorem environment

- `\theoremcolor{any dvipsnames color}` to redefine theorem color
- Numbering is current part (dot) theorem number.
- To display a hyperlink to your theorem, e.g. [Thm 1.1](#), write `\thmlink{x.y}`.

DEF 1.1 To define something, write `\define`.

PROOF.

To set up a proof, write

```
\begin{proof}[endsymbol][margin]...\end{proof}
```

A \square is placed at the end by default. One can edit the first flag to change this symbol. Additionally, "PROOF." is put in the margins. The second flag allows you to customize this. Both flags are optional. \square

E.G. 1.1

♠ Examples ♣

`\begin{example}...\end{example}` will make a box that looks like this.

PROP 1.1 Write `\prop[height]` for a proposition. Optionally, one uses the flag to displace the margin text \pm height (in cm).

PRE-DEFINED COMMANDS

Some margin text

1. `\margintext{...}` will place text in the side margins
2. `\runin{...}` will make small-caps TEXT.

LIKE SO

3. `\say{...}` will put small-caps text in the margin
4. `\code{...}` will make inline code, as displayed here.

(This is equivalent to `\texttt{\footnotesize{...}}`)

5. If one wishes to differentiate between the part name and how it's displayed in the odd header, one can redefine `\renewcommand{\thecurpart}{...}`. Otherwise, this is automatically updated.

HYPERLINKS

You can make a hyperlink to any one of your definitions, proposition, examples, or theorems.

Element	Insert Hyperlink	Example
Definition	<code>\deflink{defNum}</code>	<code>\deflink{1.1}</code> → Def 1.1
Proposition	<code>\proplink{propNum}</code>	<code>\proplink{1.1}</code> → Prop 1.1
Example	<code>\eglink{egNum}</code>	<code>\eglink{1.1}</code> → Example 1.1
Theorem	<code>\thmlink{thmNum}</code>	<code>\thmlink{1.1}</code> → Thm 1.1

The following counters are ticking behind the scenes:

Element	Counter Name	Default Value
Part	<code>partNum</code>	0
Section Depth	<code>secnumdepth</code>	-1
Contents Depth	<code>tocdepth</code>	3
Definition	<code>defNum</code>	1.1 (part.#)
Proposition	<code>propNum</code>	1.1 (part.#)
Example	<code>egNum</code>	1.1 (part.#)
Theorem	<code>thmNum</code>	1.1 (part.#)

See `.cls` file for full list of pre-installed packages.

Adapted from [V.H. Belvadi's](#) essay template.