

The afterpack Package

Personal settings and preferences

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Abstract

This bundle includes a personal pre-configuration package, which (selectively) loads package sets with the author pre-defined package options.

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1 Introduction

This is what is left from “my personal packages”. I started, a few years ago (2022), to untangle the many personal packs/hacks that I was using, documenting them and publishing them at CTAN, and, finally, after almost 3 years (2025), this is what is left: Just an auxiliary package that pre-loads the packages I use the most, and define one single (well two) command(s). So, now, when I share a L^AT_EX file with a colleague, he/she won’t come back asking me how to compile it (because they lack “my hacks”).

2 Package Options

showframe For geometry/format “debugging”. This will just load the *showframe* package.

showlabels For labels placement/location “debugging”. This will just load the *showlabels* package.

english Babel will be loaded with *english* option. Otherwise *brazilian*.

beamer This will suppress the loading of the *geometry*, *titlesec* and *listings* packages. It doesn’t loads *beamer*.

xpacks The packages *longtable*, *xpacks*, *csquotes*, *caption*, *supcaption*, *url*, *multirow* and *bigdelim* will be loaded.

times This will load the *mathptmx* package (times roman) instead of (default) *lmodern*.

noquests This will suppress the loading of the *tikzquests* package.

tikz This will load *tikz*, *circuitikz*, *tikzquads*, *tikzdotncross*, *pgfplots* and *tikzfxgraph* packages.

graphicx This will load the *graphicx* package.

math This will load the *amsmath*, *amsfonts*, *amssymb*, *amsthm*, *mathrsfs*, *mathtools*, *empheq*, *extarrows*, *steinmetz*, *mathfixs*, *siunitx* and *cases* packages.

listings This will load the *listings* package. (if *beamer* is false)

landscape Sets geometry for a landscape document

*<https://github.com/alceu-frigeri/afterpack>

Note that *etoolbox*, *fontenc*, *inputenc*, *xcolors* and *enumitem* will always be loaded. Besides those *geometry* will (if not already) as well *titlesec* and *listings* if *beamer* is false.

3 Commands

`\cab` `\cab {⟨options⟩} [⟨extra⟩]`

This will typeset, in a new page, a typical exam header. `⟨extra⟩` will be (if present) typeset as is, in a box below the main cab. `⟨options⟩` is a key=val list of:

<i>uni</i>	University's name. (default: Universidade Federal do Rio Grande do Sul)
<i>dept</i>	Department's name. (default: Escola de Engenharia / DELAE)
<i>class</i>	Class' name. (default: disciplina)
<i>classcode</i>	Class' code. (default: ENGcode)
<i>exam</i>	Exam text. (default: Verificação de Aproveitamento)
<i>sem</i>	Semester. (default: 202x/Y)
<i>semester</i>	alias to <i>sem</i> .
<i>name label</i>	Student's label. (default: Nome)
<i>id label</i>	Student's ID label. (default: Cartão)
<i>duo label</i>	Duo labe. (default: Dupla)
<i>duo</i>	If true, a duo label will be added to the identification lines (default: false)
<i>nonames</i>	If true, the identification lines will be suppressed.
<i>simplegrad</i>	If true, the grad option box will be used, with a preset text. (default: false)
<i>simplegrad text</i>	Changes the default text of a simplegrad box.

For example:

LaTeX Code:

```
\cab{
  class={Eletrônica I} , classcode=ENG10044 ,
  exam = {$1^a$ Verificação} , sem = {2025/1} , simplegrad
}
```

`\pgfmathparseFPU` `\pgfmathparseFPU {⟨math-expr⟩}`

This command is defined if, and only if, the *tikz* option is used. It will process `⟨math-expr⟩` with `\pgfmathparse` whilst the `/pgf/fpu` key is active, which greatly extends the TeX number's range. See the *fpu* library from *tikz* for more details.