

Documentation for L^AT_EX package *Plots for Release*

This document annotates the package file `ReleasePlot.sty`, a possible way to tag and summarize figures for release in a L^AT_EX document.

TL;DR: Use `\plotRelease` to tag a picture for release visually and add it to a list of plots for release.

Version 1.0, 5 August 2015 by Andreas Herten for the PANDA experiment.

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1 Usage

After loading the package via `\usepackage{ReleasePlot}`, adding the `\plotRelease` tag to any caption of a figure will do two things:

- It will print a **tagging** word at the position of the command. Default is a green small-caps *release* in square brackets, `[RELEASE]`. This can be changed, see below.
- The figure will be added to the list of *plots for release*, which can be printed using `\listofreleaseplots` at any position in the document.

The figure's optional additional caption argument, provided in square brackets like `\caption[optional]{mandatory}`, is taken as a description – just like in `\listoffigures`.

If the user does not intend to provide the square-bracket arguments, the package provides an starred version of the tagging command, `\plotRelease*[]`, in which the text of the caption can be wrapped, i.e. like `\caption{\plotRelease*[This is a nice figure.]}`.¹

¹If curly brackets are preferred over square brackets, `\plotReleaseCurly {}` can be used. The square-bracket version has been chosen to provide a visually close starred command.

2 Modification of Default Parameters

Color and text are internally handled via L^AT_EX macros, making it possible to be overridden by user's commands after loading of the package. The modifications of the following macros are possible:

`\RPChapterTitle` The title of the chapter of the list of figures.
Renew with `\renewcommand{\RPChapterTitle}{New Chapter Title}`, default is *List of Plots for Release*.

`\RPText` The text of the tag printed in the caption of the figure.
Renew with `\renewcommand{\RPText}{Tag name}`, default is `\textcolor{RPTagColor}{\textsc{\textbf{[release]}}}\xspace`.

`RPTagColor` Color of the `\RPText` text.
Change with `\colorlet{RPTagColor}{black}`, default is `Green4!80!black`.

3 Examples

Both possible use cases of `\plotRelease` and `\plotRelease*` are shown in the two pictures of this section which fill the **List of Plots for Release** at the end of this document. The code used to generate the figures follows accordingly.

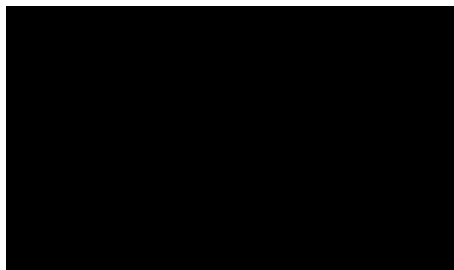


Figure 1: `[RELEASE]` The non-starred version of the command takes the additional, square-bracketed argument of the `\caption` macro.

```
\begin{figure}[h]
  \centering
  \includegraphics[width=0.5\textwidth]{something}
  \caption[Optional Argument]{\plotRelease The non-starred
    ↪ version of the command takes the additional,
    ↪ square-bracketed argument of the
    ↪ \texttt{\textbackslash caption} macro.
  }
\end{figure}
```



Figure 2: **[RELEASE]** The starred version of the command explicitly takes a text as parameter to the call. This can, but does not need to be, the whole text of the caption.

```
\begin{figure}[h]
  \centering
  \includegraphics[width=0.5\textwidth]{somethingsomething}
  \caption{\plotRelease*[The starred version of the
    ↪ command explicitly takes a text as parameter to the
    ↪ call.] This can, but does not need to be, the whole
    ↪ text of the caption.
  }
\end{figure}
```

4 Caveats

There are some caveats to this package originating from the fact that I made it easiest usable for my personal use case.

The most important caveat is the **document class**. The package currently works best with the document class *memoir*, a very powerful, versatile, and feature-heavy class which you should use as well. In general, also other classes are supported, but the document might turn out looking funny.

The **default command** uses a quite stupid way to retrieve the current figure’s caption. This results in it taking only the square-bracket argument of the `\caption`.² Although the package provides an alternative, starred command, this is unnecessary inconvenient. It should be possible to mimic the `\listoffigures` behavior 1 : 1, but my \LaTeX inabilities are just too large.

List of Plots for Release

| | | |
|---|--|---|
| 1 | Optional Argument | 2 |
| 2 | The starred version of the command explicitly takes a text as parameter to the call. | 3 |

²I do this anyway in all cases to have a more condensed figure caption for the list of figures.