

L'extension `xwatermark`*

Un mécanisme dynamique de filigrane avec \LaTeX

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Résumé

The `xwatermark` package puts user-supplied watermarks (graphics and/or arbitrary texts) on select pages of documents using user-friendly key-value interfaces. It has more functionality and dynamism than, for example, the packages `draftcopy`, `draftwatermark`, `watermark`, `draftmark`, `wallpaper`. More than one (graphics and/or text) watermark can be placed jointly or independently on the same document page or on select pages. Watermarks can be placed in the page background or foreground, and watermarks can conveniently be placed on select pages as rectangular or square tiles, depending on the user's choice. Some utility macros, namely, `\xwminipage`, `\xwmcloibox`, `\makecolobox`, `\fancypagenos` are also provided by the package for handy use in creating watermarks and for other uses. Watermarks (especially wallpapers) take their toll on computer resources, especially speed and save stack size. The packages in the `xwatermark` bundle (and beyond) have been optimized as much as currently possible. In many instances more than one run of the document will be needed to get the watermarks on the desired pages, especially if the user calls `\lastdocpage` to get the last page of the document.

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*Ce fichier a pour numéro de version 1.5.2d et a été mis à jour le 23/10/2012. Son titre original est « *The xwatermark package* ». L'extension est disponible à l'adresse <http://mirror.ctan.org/macros/latex/contrib/xwatermark/>.

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1 New features

Enter `\xwmwatermarkon`, `\xwmwatermarkoff` for suspending and resuming watermark placement on pages.

2 Introduction

The `xwatermark` puts user-specified watermarks (graphics and/or arbitrary texts) on select pages of documents. It has more functionality and dynamism than, for example, the packages `draftcopy`, `draftwatermark`, `watermark`, `draftmark`, `wallpaper`. The advantages of `xwatermark` over these earlier packages include :

1. Both text and graphics watermarks are admissible within any watermark item or instance.
2. The user can dynamically customize the attributes (color, position, orientation, scale, the page(s)—first page, last page, all pages, odd pages, even pages, a particular page, and a range of pages—on which the watermark should appear) of each watermark.
3. Watermarks can be placed in the background and in the foreground of document pages by simple instructions.
4. Rectangular and square wallpapers can be produced from watermarks to suit user needs without effort.
5. All the command options/keys are passed directly via user-friendly key-value interfaces, instead of being defined in the source file by several macros. There are only two main user commands : `\newwatermark`, `\newwallpaper`. The user is relieved of the need to remember and deploy several different macros, except, of course, that function keys are used. The list of keys and their default values for these functions are given in `?sec-packageoptions?`.

With the `xcolor` (not loaded automatically by the `xwatermark`), all colors (including `white`, shades like `-red!75!green!50`, and those defined within the user document) can be passed to this package. And, as mentioned above, both texts and pictures can be submitted and printed as watermarks on the same page, and on different positions.

There are global and local package options. These are listed and explained in `?sec-packageoptions?`.

Users who have since complained of not being able to conveniently place more than one watermark on the same page can now heave a sigh relieve : the current version of the package has enabled this functionality. You can now mix text and graphics watermarks and wallpapers and place as many of them as you like on the same page. This version of the package comes with optimized looping macros and a key management system (the `ltxkeys`) to enable several watermarks and wallpapers to be placed efficiently on the same document pages. The `ltxkeys` can be used for general key parsing.

3 User interfaces

3.1 Loading the package

In style files the package may be loaded with `\RequirePackage` and in document files with `\usepackage` together with the package keys that can be passed as options.

Note : Some of the keys are « option keys », i.e., they can appear only in `\documentclass` or `\usepackage` and not as, or in, arguments of other functions or macros. The « non-option keys » are those that can't appear in `\documentclass` or `\usepackage` but in the arguments of other macros. If a key is a non-option key and the user submits it to `\documentclass` or `\usepackage`, the package will alert the user. The same thing can be expected when a key is an option key and is submitted outside of `\documentclass` or `\usepackage`. The « need value » keys are keys that can't be called without a user-supplied value.

The package keys `printwatermark`, `disablegeometry` are option keys, and hence can be called as follows :

```
\RequirePackage[printwatermark,disablegeometry]{xwatermark}\label{mac:pkgload}
\usepackage[printwatermark,disablegeometry]{xwatermark}
```

The other options may be submitted via user commands like `\newwatermark`, `\newwallpaper`. Please see `\srefrange[tab:]{globaloptions,localoptions}` for a full listing of all the available package and command options. By design, the boolean option `printwatermark` should not appear in the macros `\newwatermark`, `\newwallpaper` but as a package or `\documentclass` option. It is disabled just before `\begin{document}` and any attempt to pass it via `\newwatermark` or `\newwallpaper` thereafter will trigger an error.

When boolean options (e.g., `printwatermark`, `allpages`) are passed without values, they are assumed implicitly `true` by the package.

Note : When your watermark is not printed, first check that the option `printwatermark` is `true`. This is one of the means to control the printing of watermarks. The others are through the following commands (more details are available in `sec:dummywatermarks`) :