

graphicxpsd Package

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Abstract

This package provides Adobe Photoshop Data format (PSD) support for **graphicx** package with **sips** (Darwin/macOS)/**magick** (ImageMagick) command.

1 Motivation

graphicx package supports already many graphics image formats as bellow.

- non-vector formats: jpg, png, bmp, and so on
- PostScript-style formats: eps, ps
- PDF-style formats: pdf, ai

However, it currently does not support Adobe Photoshop Data format (PSD).

Against that, we developed the **graphicxpsd** package to support PSD format via PSD-to-PDF conversion with two image converters.

- **sips**: pre-installed command in Darwin/macOS
- **magick, convert**: bundled commands in ImageMagick

2 Loading **graphicxpsd** Package

Load **graphicxpsd** package after loading **graphicx** package.

```
\usepackage{graphicx}  
\usepackage[<options>]{graphicxpsd}
```

The list of available options is the following.

- **dvipdfmx, xetex, pdftex, luatex**: supported driver options; You can also give specific driver option from global option.

- **sips** (default), **magick** (same as **imagemagick**), **convert**: supported image converters; If you can use ImageMagick 7 or higher version, you may choose **magick**.

When ImageMagick project had released ImageMagick 7, they changed **convert** to **magick** because that might be the usual problem with the conflict of names between ImageMagick's **convert.exe** and the Windows “**convert.exe**” program, which complains about invalid parameters, and changing the Imagemagick program's name to **imconvert** and using that instead avoided the conflict.

3 Example

Typeset the following L^AT_EX document with LuaT_EX.

```
%#!lualatex -shell-escape
\documentclass[luatex]{article}%%set luatex driver as global option
\usepackage{graphicx}
\usepackage{graphicxpsd}
\begin{document}
\includegraphics{tigerpsdfmt.psd}
\end{document}
```

Then, the result is as below.

