pst-flags: A PSTricks Package for Drawing Flags

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1 Introduction

This document is a reference manual for the pst-flags package. The package and the user manual is available at ctan archive.

1.1 About pst-flags

This package provides macros for rendering flags and associated artefacts drawn using LaTeXPSTricks package. This package further contributes towards a complete implementation of the vector drawing capabilities provided by PSTricks. Formatting of the resulting drawings is entirely controlled by TeXmacros. A good working knowledge of LaTeX should be sufficient to design flags and draw the new ones. Features such as color or shape customisation and dynamic modifications are possible by cleverly adjusting the properties and parameters arguments of the options supplied to TeXmacros.

1.2 License

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1.3 Feedback

Please use the pst-flags https://github.com/manthanwar/pst-flags to report bugs and submit feature requests. Before making a feature request, please ensure that you have thoroughly studied this manual. If you do not want to report a bug or request a feature but are simply in need of assistance, you might want to consider posting your question on the comp.text.tex newsgroup or TeX-LaTeX Stack Exchange web page pst-flags.

1.4 Acknowledgements

This package would not have been possible without the base PSTricks and its associated packages. The authors would like to acknowledge the valuable contributions made by the main PSTricks authors and by the broader PST community. The colors and construction sheets used to program macros are taken from the websites: flagcolorcodes, wikipedia, and vexilla-mundi.

2 Installation and usage of pst-flags

Installation: As prerequisites for pst-flags you need a working versions of LATEX and pstricks. The style file pst-flags.sty and all corresponding .tex and .eps assets must be somewhere in your TEX-input path, where dvips can find it.

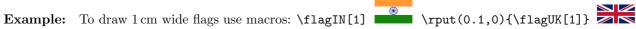
Dependencies: This packages requires expl3, fp, xfp, pstricks and pst-all.

Usage: Load the packages pstricks and pst-flags in that order via the usepackage macro. Now you are ready to use the pst-flags macros within your document body. This macro is described in the next section with all its options. With the help of the following simple LATEX-source code you can test whether you have correctly installed the package:

\documentclass{article}
\usepackage{pstricks}
\usepackage{pst-flags}
\begin{document}
Flag of US: \rput(0,0){\flagUS[2]}
\end{document}

3 Sovereign State Flags

Flags are in many different height to width aspect ratio (AR). The flags of India \flagIN and UK \flagUK uses the aspect ratios of 2:3 and 1:2 respectively. These are the two of the most common aspect ratios used by over 80 and 50 countries respectively. The accuracy of colors, shapes, internal objects and aspect ratio make the flag of a sovereign state unique. Width is the only option needed to draw the flag with macro appended with two letter country code which internally determines the corresponding height. In order to draw a flag with the specific height use the aspect ratio from the table below to calculate the appropriate width and supply it rectangular bracket in centimeters. PSTricks macro \rput macro and environment pspictur can be also used and encouraged for the accurate placement.





Colors: Flag colors are defined using country code appended with color name which can be used elsewhere, e.g., ukRed, inGreen, usBlue, deYellow, etc. \pscircle[linecolor=usRed](0,0){2}

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	Eritrea	$_{\rm ER}$	1:2	New Zealand	NZ	1:2	Zimbabwe	ZW	1:2

3.1 Flags with Aspect Ratio 1:2

ZW



3.2 Flags with Aspect Ratio 2:3



3.3 Flags with Aspect Ratios 2:3 and Others

