Documentation of GraphicP

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Abstract

1 Availability and usage

You can download GraphicP from http://www.inf.bme.hu/~pts/graphicp-latest.tar.gz.

Load GraphicP with \usepackage{graphicp} instead of \usepackage{graphicx}. Use the \includegra phics macro as usual, but beware of the differences.

2 Quick feature list

Features over LATEX \usepackage{graphicx}:

- both plain TeX and LaTeX support
- specified width=... and height=... are strictly enforced, without rounding
- image scaling calculations are much more accurate
- works with dvips -E bounding-box calculations, even with buggy dvips 5.86e
- doesn't have to open the .eps file for reading the bbox
- xdvi doesn't forcibly crop (clip) the image to the bbox
- Below feature: allows the image descend below the baseline (supports depth, not only width and height)
- drop dependency on Perl, parse Adobe DSC comments in EPS files
- non-standard, quick, DSC-like parsing for special PDF files
- an enhanced epstopdf utility
- the img_bbox.pl utility
- the pdfboxes.pl utility
- voluntary clipping (cropping)
- all 8 mirror and rotate transformation (must be a multipe of 90 degrees)
- does not rely on the filename to determine the FileFormat
- embeds each image file only once with pdfTeX and dvipdfm
- [long term plan] imtrix: unified PSTricks/PSFrag support for EPS and PDF

3 Further reading

The full documentation hasn't been written yet. See the file graphicp.sty for more information. To see samples, try the following compilation procedures:

```
tex laltest # or: latex laltest
xdvi laltest
dvips -o laltest.ps laltest
dvipdfm -v laltest
xpdf laltest.pdf
pdftex laltest # or: pdflatex laltest
xpdf laltest.pdf
latex '\def\graphicPdriver{dvips}\input laltest'
xdvi laltest
dvips -o laltest.ps laltest
tex '\def\graphicPdriver{dvipdfm}\input laltest'
dvipdfm -v laltest
xpdf laltest.pdf
```