a0poster

Version 1.22b

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1. What is this package good for?

Printing a poster with TEX and dvips on a DIN A0 printer was quite complicated (inserting lines in the postscript file and so on). The a0poster package ants to make this easier. a0poster.cls provides fonts in sizes of 12pt (\tiny) up to 107pt (\VERYHuge). a0poster also makes sure that in math formulas the symbols appear in the right size. \textwidth and \textheight will have reasonable values. The package also creates a postscript header file for dvips which manages that the poster will be printed in the right size. Meanwhile the sizes DIN A0, DIN A1, DIN A2 and DIN A3 are also supported.

2. What the package can't do

You still have to think about the best positioning of pictures and text.

3. System requirements and installation

Required are LATEX<1995/06/01> and dvips.

Contents of the package:

a0poster.cls	the class file
a0size.sty	adaption of the font sizes
a0_eng.tex	this manual
a0.tex	this manual in german

The files a0poster.cls and a0size.sty have to be copied in a directory that TEX scans for input files. Now the installation is done. But the package expects that dvips searches for header files in the current directory also.

4. Options

a0poster is a class like article. There are the following options:

[1] Thanks to Martin Eckl, Berend van der Wall and Bernhard Steininger

landscape	landscape format, is default
portrait	portrait format
a0b	"DIN A0 big" - that's a somewhat widened DIN A0 format that uses the full width of an HP Designjet 650C. This is also default.
a0	DIN A0
a1	DIN A1
a2	DIN A2
a3	DIN A3
posterdraft	reduces the postscript output to DIN A4 size, so test printings can be made with ordinary DIN A4 printers.
draft	**obsolete**–does the same as *posterdraft*, but while options are passed to other packages, this can lead to collisions with other packages (e. g. `graphics`).
final	makes postscript output in original size; is default.

Therefore the beginning of the TEX file can look like that:

```
\documentclass[portrait,a0b,posterdraft]{a0poster}
\usepackage{german,epsf,pstricks}
\begin{document}
```

The following font sizes are available:

```
\tiny           12pt
\scriptsize     14.4pt
\footnotesize   17.28pt
\small          20.74pt
\normalsize     24.88pt
\large          29.86pt
\Large          35.83pt
\LARGE          43pt
\huge           51.6pt
\Huge           61.92pt
\veryHuge       74.3pt
\VeryHuge       89.16pt
\VERYHuge       107pt
```

`a0poster.cls` is based on the article class, so all commands of this class can be used. Some register values were adapted to the size of the page.
While TEXing a file named `a0header.ps` is created that is read by dvips and manages that the poster is printed in the right size.[2]

[2]If this doesn't work with the option draft, use dvips with the option `-Z` (if not already used in the configuration file `config.ps` of dvips). That also results in a smaller size of the postscript file. If it still doesn't work. then bigger paper sizes than DIN A3 in `config.ps` may be the cause. Then the *draft* option doesn't work – sorry.

5. Colors, frames etc.

This package supports neither colors nor pictures, but this ist possible with other packages like pstricks of Timothy Van Zandt. With `\red` the following text or formula will be displayed in red. The colors *red, blue, yellow, green, cyan* and *magenta* and the grey scales *white, lightgray, gray, darkgray* and *black* are already defined, but other colors can be defined, for example

```
\newrgbcolor{DarkOrange}{1 .498 0}
\DarkOrange blabla
```

The numbers range from 0 to 1 and describe the color in the rgb system. With pstricks lots of other things can be done (frames, shadowboxes, etc.) For details, see the pstricks manual.

6. Anything else?

We are sure that this package still contains lots of bugs. So we would like to hear bug reports, complaints, suggestions etc. (just send an email to `gerlinde.kettl@physik.uni-regensburg.de`).

7. History

Version 1.22b:

- Added License.
- Replaced option *draft* by *posterdraft*.

Version 1.21b:

- Draft option available in combination with option a3.
- Modified ghostview removed.
- `a0size.tex` renamed to `a0size.sty`.

Version 1.2b:

- Support of DIN A0, DIN A1, DIN A2 und DIN A3.
- Option draft available.
- Modified ghostview for viewing the poster.