

jdrutils

Version 1.4

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29th April, 2012

Abstract

Jpgfdraw comes with a number of command line applications for converting JDR and AJR files to other formats. This document describes those applications.

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1 ajr2jdr

Syntax:

```
ajr2jdr [options] ajr file jdr file
```

Purpose:

Converts an AJR file (specified by *ajr file*) to a JDR file (specified by *jdr file*.)

Options:

-settings [*n*] Controls how settings are saved in the output file. Optionally followed by an integer *n* (if omitted *n*=1):

- 0** don't save settings

- 1** save all settings
- 2** only save paper size (v1.3 only, for earlier versions equivalent to 0)
- nosettings** Equivalent to **-settings 0**
- settings_as_input** Only save settings if they were given in the input file (Default)
- v1.0** Use version 1.0 for the output format. (You may lose information if the input file has a higher version number.)
- v1.1** Use version 1.1 for the output format. (You may lose information if the input file has a higher version number.)
- v1.2** Use version 1.2 for the output format.
- v1.3** Use version 1.3 for the output format.
- v1.4** Use version 1.4 for the output format. (Default)

2 jdr2ajr

Syntax:

`jdr2ajr [<options>] <jdr file> <ajr file>`

Purpose:

Converts a JDR file (specified by *<jdr file>*) to an AJR file (specified by *<ajr file>*.)

Options:

- settings [*<n>*]** Controls how settings are saved in the output file. Optionally followed by an integer *<n>* (if omitted *<n>*=1):
 - 0** don't save settings
 - 1** save all settings
 - 2** only save paper size (v1.3 only, for earlier versions equivalent to 0)
- nosettings** Equivalent to **-settings 0**
- settings_as_input** Only save settings if they were given in the input file (Default)
- v1.0** Use version 1.0 for the output format. (You may lose information if the input file has a higher version number.)
- v1.1** Use version 1.1 for the output format. (You may lose information if the input file has a higher version number.)
- v1.2** Use version 1.2 for the output format.
- v1.3** Use version 1.3 for the output format.
- v1.4** Use version 1.4 for the output format. (Default)

3 jdr2eps

Syntax:

```
jdr2eps <jdr file> <eps file>
```

Purpose:

Converts a JDR file to an EPS file.

Limitations:

Transparency is not implemented.

4 jdr2png

Syntax:

```
jdr2png <jdr file> <png file>
```

Purpose:

Converts a JDR file to a PNG file.

Limitations:

The output file will use always RGB color space. Any CMYK specifications will be converted to RGB. The background color will be white not transparent.

5 jdr2svg

Syntax:

```
jdr2svg <jdr file> <svg file>
```

Purpose:

Converts a JDR file to an SVG file.

Limitations:

Gradient paint is not available for line or text color.

6 jdr2tex

Syntax:

```
jdr2tex <jdr file> <tex file>
```

Purpose:

Converts a JDR file to a L^AT_EX file containing a `pgfpicture` environment.

Limitations:

Gradient paint is not available for line or text color.

7 eps2jdr

Syntax:

```
eps2jdr [options] <eps file> <jdr file>
```

Options:

-bitmap <basename> Extract bitmaps to be saved as <basename><n>.png.

-v1.0 Save as JDR version 1.0

-v1.1 Save as JDR version 1.1

-v1.2 Save as JDR version 1.2

-v1.3 Save as JDR version 1.3

-v1.4 Save as JDR version 1.4 (default)

-normalsize <n> Set the normal L^AT_EX font size to <n>

-verbose Verbose output

-version Print current version number and exit

Purpose:

Converts an Encapsulated PostScript file to a JDR file.

Limitations:

`Jpgfdraw` doesn't have anything like the functionality of PostScript, so there are many limitations. There are many PostScript commands that are either not implemented at all or only work in a limited way. If `eps2jdr` doesn't work on an EPS file, try using `eps2eps` on the EPS file and try on the output of that. However there is still no guarantee that it will work.

If `eps2jdr` can't implement a PostScript command, it will do one of the following:

1. Find the nearest approximation

2. Print a warning message and ignore the command (popping any operands off the stack where necessary)
3. Print an error message, and exit.

If the EPS file contains images (via the `image` or `colorimage` operators), each image will be extracted and saved as a PNG file with name $\langle \textit{basename} \rangle \langle n \rangle .\textit{png}$, where $\langle \textit{basename} \rangle$ is the basename of the output JDR file, unless the `-bitmap` option was used.

Font substitutions may occur, but you can create a PostScript to L^AT_EX font map in Jpgfdraw's configuration directory¹. To do this, use your favourite text editor to create a file called `psfontmap`. Each line must be in the form:

$\langle \textit{PostScript font name} \rangle = \langle \textit{Family declaration} \rangle, \langle \textit{Series declaration} \rangle, \langle \textit{Shape declaration} \rangle$

The PostScript font name may be a regular express. For example:

`.*obliquebold=,\bfseries,\slshape`