

BXeeptic Package

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LaTeX: Reimplementation of epic/eeptic features using pict2e engine

The eeptic package (authored by Conrad Kwok) is one of packages to provide small-size extension to the picture environment of LaTeX (and epic package) and employs the tpic drawing feature of DVI-wares. Back in 1990--2000 the use of epic + eeptic was widespread because many of the legacy DVI-wares (dvips, dvipdfmx, etc.) support tpic (and thus eeptic extension). But pdfTeX engine has never supported tpic. As consequence, the use of epic + eeptic was gradually replaced by pict2e as pdfTeX became more popular.

In most cases drawings using epic + eeptic are easily converted to pict2e ones, but there are features that eeptic supports but pict2e does not --- e.g. ellipsis, dashed line. The present package provides almost full features of epic + eeptic implemented on pict2e engines. Thus one can make epic + eeptic drawings work on pdfTeX; moreover, one can use eeptic and pict2e in the same document.

Installation

- '*.sty', '*.def' \$TEXMF/tex/latex/bxeeptic

Usage

Load this package after loading pict2e.

```
\usepackage[<pict2e options>]{pict2e}
\usepackage{bxeeptic}
```

If pict2e is not yet loaded in loading bxeeptic then it is loaded automatically, and in this case every option given to bxeeptic will be passed to pict2e.

```
\usepackage[<pict2e options>]{bxeeptic}
```

This package provides all commands of epic and eepic packages, except the following:

- Shading: `\blacken`, `\whiten`, `\shade`, `\texture`, `\filltype`
- Dashed line with dotted dashes: the second optional argument of `\dashline` is ignored.
- Dotted line with user-defined dots: the optional argument of `\dottedline` is ignored.

Notice

- When behavior of a command differs between eepic and epic, then that of eepic is adopted.
- When behavior of a command differs between pict2e and eepic, then that of pict2e is adopted.
- However, `\arc` command can be used either in pict2e or eepic syntax; when it looks like `\arc{...}{...}{...}` then eepic syntax is assumed.
- When bxeepic is loaded, both epic and eepic packages are marked as already-loaded; so one can load bxeepic early and then the packages that rely on epic and eepic will work happily.

Revision History

- * Version 0.2 <2013/04/28>
 - The bxdpxp2e module, which provides proper support for dvipdfmx, was abolished because the recent pic2e ($\geq v0.2y$) has the support.
 - Documentation.
- * Version 0.1 <2010/08/08>
 - The first public version.

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