AcroTeX.Net

The annot_pro Package

Text, Stamp, and File Attachment Annotations

D. P. Story

dpstory@acrotex.net

1. Introduction

This is a brief demo package for the annot_pro package. This package uses Adobe Distiller to distill PostScript files created by dvips (or dvipsone) to produce a selection of useful annotations, the ones for text (also called sticky notes), stamps, and file attachments. We take up each of these annotation types in that order. The command to create all types of supported annotation is \annotpro. The syntax is. . .

```
\annotpro[<key-values>]{<content>}
```

There are several keys that are common to all annotations, among these are `title` (whose value is usually the author of the annotation), and `subject`. The <content> argument is the text of the pop-up window (in the case of text and stamp annotations), and the file attachment description (for file attachment annotations).For example, ; the code is

```
\annotpro[title=Don Story,subject=AcroTeX.Net]
    {This is the content of the sticky note.}
```

See the documentation for this package, annotpro_man.pdf, for details beyond what is presented here.

2. Text annotations

There are a number of difference text annotation icons that can be used. The default is the `Note` annotation ▤. The type of annotation is selected using the `type` key, text annotations are `type=text` (the default). An icon is selected using the `name` key. The above annotation is the default `name=Note`; consequently, the syntax is very simple:

```
\annotpro{This is a Note annotation, or sticky note.}
```

The default behavior is to leave the correct vertical and horizontal space in T$_E$X space to place the icon. The icons of a text annotation do not re-scale, they remain the same size regardless of the page magnification; consequently, they look best when the magnification is at 100%.

There are keys (`nohspace`, `novspace`, and `nospace`) for removing space around the icon in T$_E$X space.

This is a sticky note that takes that uses the `nohspace` key. The sticky note retains vertical space. For sticky notes, there are three keys for removing space, `nohspace`, `novspace`, and `nospace`. Acrobat users can move these icons around on the page, but users of Adobe Reader cannot; therefore, if an annot is to be used, it should not cover any page content. You can see the additional space left between paragraphs, this space was created by the vertical space of the note. Here, the blue note, is the same note with the `nospace` key.

Annots can be placed in the margin using the `margin` key, with an optional "caption." The core LaTeX command `\marginpar` is used. This particular annotation uses the `presets` key, this key allows you to predefine some options. The code for the margin note is

```
\annotpro[presets=\myNote,margin,readonly,margintext={Hi\\Mom!}]
    {This one appears in the margin of the document.}
```

Here is another sticky note, the Check✓ .

3. Stamp Annotations

The *PDF Reference* lists several stamps that are guaranteed to exist, by any conforming PDF viewer. This stamp is one of the standard stamps. A stamp is created by by putting `type=stamp` and by setting the `name` key to the name of the stamp.

The stamp annotation does not obey the `nospace` keys, the same effect can be obtains using various combinations of `\smash` and `\makebox`. The code for the stamp above is

```
\smash{\makebox[0pt][l]{\raisebox{36pt}{
    \annotpro[type=stamp,name=Approved,widthTo=150bp,
        color=blue]{I give my stamp of approval!}}}}
```

Did I forget to mention `\raisebox`? I needed that command keep the stamp from

covering page content. The annot_pro package has a preview option. If used, the bounding rectangles of the annotations can be viewed in a dvi previewer. This helped me to place the stamp through my dvi previewer.

Stamps can be re-scaled using widthTo (for re-scaling a stamp to a specified width), heightTo (for re-scaling to height), or scale (for re-scaling using a re-scaling factor, for example, scale=.5). For example, here is a stamp resize to 20bp width ⬤. This stamp is one of the "extra" stamps that are (sometimes) shipped with Acrobat, see the file stamps.pdf for a complete listing of these extra stamps that ship with Acrobat.

Stamps can be placed in the margins, but they probably need to be re-scaled to make them smaller; there are several keys that can be used for this purpose. A key I've used several times already is widthTo (for re-scaling a stamp to a specified width), heightTo (for re-scaling to height), and scale (for re-scaling using a re-scaling factor, for example, scale=.5).

```
\annotpro[type=stamp,name=WordsTheBestJustGotBetter,
    widthTo=20bp,color=webbrown]{This package
        just got better!}
```

Stamps are shipped with Acrobat (and some with Adobe Reader) in the form of PDF files. The PDF consist of a series of template pages with one graphical image of a stamp per page. The standard stamps reside in the file Standard.pdf.

Additional Stamps: The following stamps may be on your computer, when **Acrobat**

Pro is installed. See the file `stamps.pdf` for a complete listing of the stamps and their names.

- `StandardBusiness.pdf`: A **APPROVED** stamp

- `SignHere.pdf`: A **SIGN HERE** stamp

- `Dynamic.pdf`: A *APPROVED By Don Story at 10:25 am, Aug 25, 2018* stamp

- `Words.pdf`: A stamp

- `Faces.pdf`: A stamp

- `Pointers.pdf`: A stamp

These stamps are representatives of the many stamps that reside in the referenced files. The dimensions of these stamps are known by annot_pro for these stamps. These can be resized using the `widthTo`, `heightTo`, or `scale` keys.

Note that the names in the `Dynamic.pdf` file begin with the '#' symbol. To reference these stamps, use \#, like so, name=\#DApproved.

The bounding rectangle for the non-standard stamps—ones whose dimensions are not known to this package—can be set using the `width` and `height` keys, there are default values if these keys are not specified.

The stamps provided by Acrobat can be rotated using the rotate key. For example, the stamp named `PointersWhen` shown above, can be rotated 30 degrees, the stamp and the code are shown below.

```
\smash{\makebox[0pt][l]{\put(130,-20){%
    \annotpro[type=stamp,name=PointersWhen,
        widthTo=50bp,rotate=30,color=webbrown
        ]{Here is the code for this stamp.}}}}
```

See the file `stamps.tex` (and `stamps.pdf`) for a complete list of these stamps, and their names.

Important: When using the stamps of Acrobat, always perform a **SaveAs** on the file when you have finished building the file. This imports the appearances of the stamps into the document and saves them.

4. File Attachment Annotations

This is a file attachment which depicts the image of an average man. A file attachment is created with `type=fileattachment`; in addition, a value of the file key must be set, here `file={\graphicsPath/AdobeDon.pdf}`, where `\graphicsPath` is a command that expands to the path to the folder holding `AdobeDon.pdf`. The definition of the path was made using a special command, `\defineAPath`, in `annot_pro`.