LaTeX Coffee Stains

a package by Hanno Rein
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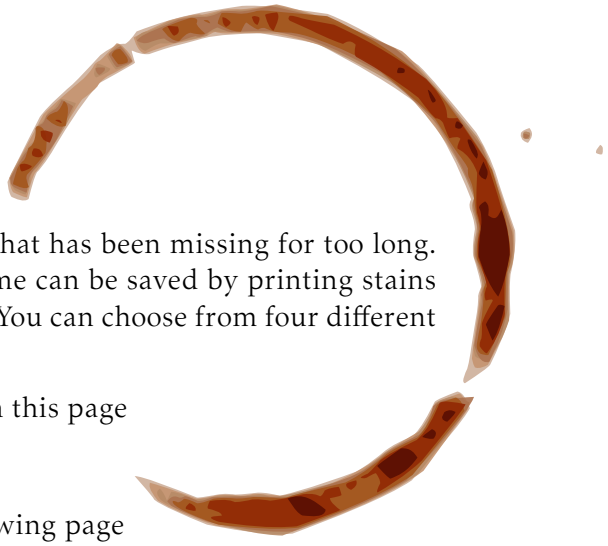
https://framagit.org/Pathe/coffeestains

version 0.4 – May 6, 2021



1 Introduction

This package provides an essential feature to LaTeX that has been missing for too long. It adds a coffee stain to your documents. A lot of time can be saved by printing stains directly on the page rather than adding it manually. You can choose from four different stain types:

A. 270° circle stain with two tiny splashes, like on this page

B. 60° circle stain, as on page 3

C. two splashes with light colours, as on the following page

D. and a colourful twin splash, as on page 4

2 Usage

To use the package, simply place the `coffeestains.sty` file in the directory with all of your other `.tex` files *or* install it properly (consult your distribution's manual). Then include the following line in the header of your document:

```
\usepackage{coffeestains}
```

The command used for the above coffee stain is
`\coffeestainA{0.9}{0.85}{-25}{5cm}{1.3cm}`

To place a coffee stain on a page, put one of the following commands in the source code of the relevant page:

```
\coffeestainA{alpha}{scale}{angle}{xoff}{yoff}
\coffeestainB{alpha}{scale}{angle}{xoff}{yoff}
\coffeestainC{alpha}{scale}{angle}{xoff}{yoff}
\coffeestainD{alpha}{scale}{angle}{xoff}{yoff}
```

- `alpha` is the transparency factor $\in [0,1]$;
- `scale` is the scale factor, and the standard is `scale`=1;
- `angle` is the angle of the stain, relative to its center. It is in degrees $\in [0,360]$;
- the position relative to the centre of the page is given by x and y offsets `xoff` and `yoff`. It is advisable to specify a measurement unit.

3 Copyright

You can freely distribute this package as we do not believe in imaginary property. All stains were self-made, photographed by Hanno Rein, processed with gimp and traced with Inkscape. Donations should be made in coffee only to

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4 Desired improvements

This package obviously helps, but many stains are still manually added to documents: latte stains, tea stains, gazpacho stains... they all should be printed in the future.

And our efforts shall go beyond the liquid stains: how many documents get their grease stains manually printed in repair shops? The LaTeX community shall address this issue and create the adequate tools.

The command used for the above coffee stain is
`\coffeestainC{1}{1}{180}{0}{-5 mm}`

5 Change Log

- April 3, 2009: initial coffee stain by Hanno Rein. In the git repository, this version is now tagged 0.1.
- November 23, 2010: `coffee2.sty`, an improved version that works with pdflatex. Thanks to Evan Sultanik! This version is now tagged 0.2.
- March 24, 2011: `coffee3`, another improved version that works with pdflatex and allows you to scale, rotate and change the transparency of any coffee stain. Thanks to Professor Luis Randez! This version is now tagged 0.3.
- May 25, 2012: `coffee4`, an improved version by Adrian Robson, who writes: "I find I rarely manage to put my coffee mug down exacly in the middle of my papers. So I have amended coffee3.sty to support off centre coffee stains." This version is now tagged 0.4.
- May 1, 2021: the `coffeestains` package on a git repository. The rotation of the stains is now relative to the centre of the stain itself, not anymore to the centre of the page. Version 0.5.

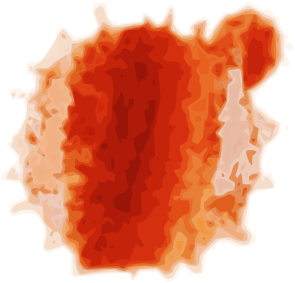
6 Eternal mottos

Coffee is great.

Coffee will save the world.

The command used for the above coffee stain is
`\coffeestainB{0.7}{1}{0}{8 pt}{0}`

The command used for the coffee stain on the next page is
`\coffeestainD{0.4}{0.5}{90}{3 cm}{4 cm}`



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but we had to ruin it by letting you know.