

# LaTeX Coffee Stains

a package by Hanno Rein  
maintained by Patrick Bideault  
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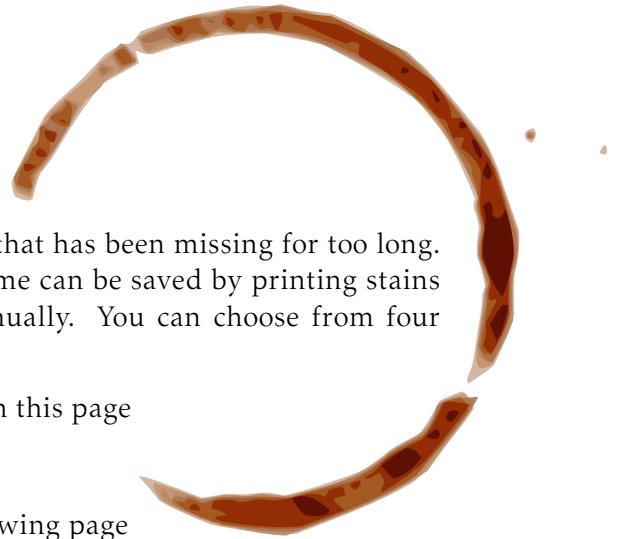
<https://framagit.org/Pathe/coffeestains>

version 0.5 – May 7, 2021

## 1 Introduction

This package provides an essential feature to  $\text{\LaTeX}$  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 them 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:

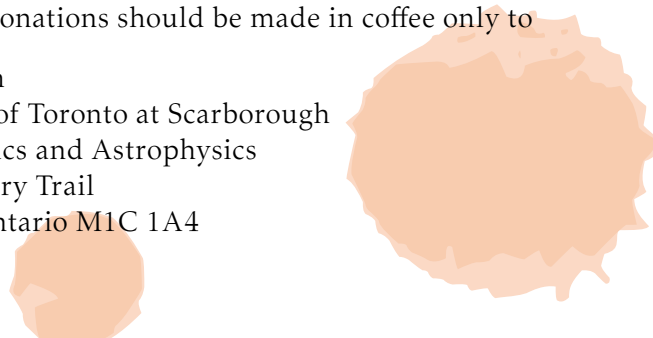
```
\coffeestainA{alpha}{scale}{angle}{xoff}{yoff}  
\coffeestainB{alpha}{scale}{angle}{xoff}{yoff}  
\coffeestainC{alpha}{scale}{angle}{xoff}{yoff}  
\coffeestainD{alpha}{scale}{angle}{xoff}{yoff}
```

- `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

Hanno Rein  
University of Toronto at Scarborough  
DPES Physics and Astrophysics  
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Toronto, Ontario M1C 1A4  
Canada



### 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  $\text{\LaTeX}$  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}`

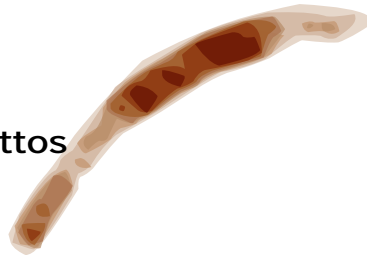
## 5 Change Log

- April 3, 2009: initial coffee stain by Hanno Rein. This version is still available at <http://legacy.hanno-rein.de/hanno-rein.de/archives/349>. In the actual 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 Rande](#)! 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 exactly 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 by Patrick Bideault.

## 6 Eternal mottos

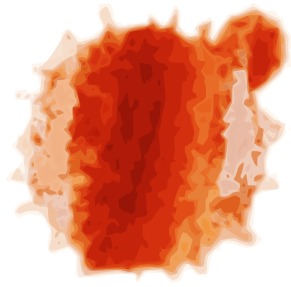
Coffee is great.

Coffee will save the world.



The command used for the above coffee stain is  
`\coffeestainB{0.7}{1}{-30}{18 pt}{-50 pt}`

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



THIS PAGE WAS INTENTIONALLY LEFT BLANK  
but we had to ruin it by letting you know.