

Introduktion till

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Wicked PDF



PDF?

- ⦿ Portable Document Format – filformat för dokument- och informationsutbyte
- ⦿ PDF-dokument byggs av text, bilder, vektorgrafik
- ⦿ Utvecklat av Adobe och introducerat 1993
- ⦿ Öppen standard sedan 2008 (ISO32000-1:2008)
- ⦿ Förslag till ny version “PDF 2.0” (ISO32000-2)
- ⦿ Inbyggt i Mac OS X (Windows 8 får en PDF-läsare)

Varför Ruby och PDF?

- ⦿ Fristående, utskrivbara dokument
 - ⦿ kontrakt och andra affärsdokument
 - ⦿ kvitton (t.ex. webbshop)
 - ⦿ manualer

Introduktion till Prawn

prawn 0.11.1

Prawn is a fast, tiny, and nimble PDF generator for Ruby

INSTALL > `gem install prawn`



Introduktion till Prawn

prawn 0.11.1

Prawn is a fast, tiny, and nimble PDF generator for Ruby.

INSTALL > gem

Prawn

by example



Introduktion till Prawn

graphics/lines_and_curves.rb

Prawn supports drawing both lines and curves starting either at the current position, or from a specified starting position.

`line_to` and `curve_to` set the drawing path from the current drawing position to the specified point. The initial drawing position can be set with `move_to`. They are useful when you want to chain successive calls because the drawing position will be set to the specified point afterwards.

line and **curve** set the drawing path between the two specified points. **line** is bounded by two additional points.

Both curve methods define a Bezier curve bounded by two additional points provided as the :bounds param

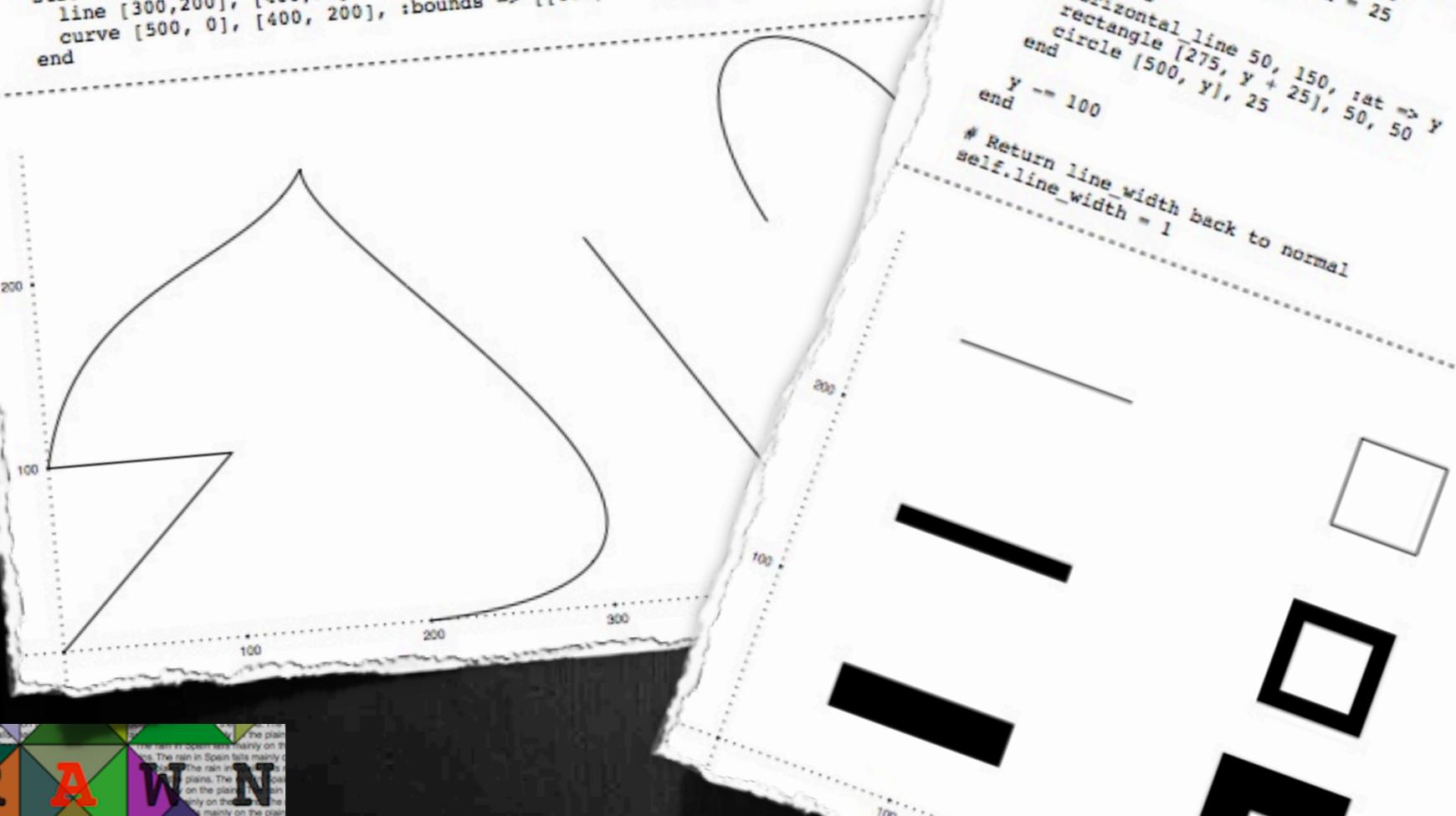
```

stroke_axis

# line_to and curve_to
stroke do
  move_to 0, 0
  line_to 100, 100
  line_to 0, 100
  curve_to [150, 250], :bounds => [[20, 200], [120, 200]]
  curve_to [200, 0], :bounds => [[150, 200], [450, 10]]
end

# line and curve
stroke do
  line [300,200], [400,50]
  curve [500, 0], [400, 200], :bounds => [[600, 300], [300,
end

```



`graphics/line_width.rb`

The `line_width` method sets the stroke width for subsequent stroke calls.
Since Ruby assumes that an unknown variable on the left hand side of an assignment is a local temporary, rather than a setter method, if you are using the block call to `drawn::Document.generate` without passing params you will need to call `line_width` on self.

```
* Prawn::Document.generate() do
  stroke_axis
  = 250
  times do |i|
    se i
    n 0; line_width = 10
    i 1; self.line_width = 10
    2; self.line_width = 25
    do
      ontal_line 50, 150, :at => y
      angle [275, y + 25], 50, 50
      [500, y], 25
    end
  end
end
```

```

# Document.generate() is called from self.generate()
# Prawn::Document.generate() does
# more than a settler method

stroke_axis
y = 250
3.times do |i|
  case i
  when 0; line_width = 10
  when 1; self.line_width = 10
  when 2; self.line_width = 25
end
stroke do
  horizontal_line 50, 150, :at => y
  rectangle [275, y + 25], 50, 50
  circle [500, y], 25
end
Y -= 100
# Return line_width back to normal
self.line_width = 1

```

The banner consists of a series of overlapping triangles in various colors (blue, green, red, orange, yellow, purple) arranged in a repeating pattern. Each triangle contains the text "the rain in Spain falls mainly on the plain". The banner is positioned horizontally across the bottom of the slide.

1. PDF använder sig av “punkter” (ca 2.83464567mm)
2. Origo ($X = 0, Y = 0$) finns i nedre vänstra hörnet av sidan



Webbplat
prawn.majesticseacreature.com

Github
github.com/sandal/prawn

nytt i 0.11.1
github.com/sandal/prawn/wiki/CHANGELOG

PDF-manual
cloud.github.com/downloads/sandal/prawn/manual.pdf



PDF KIT



pdfkit 0.5.0

Uses wkhtmltopdf to create PDFs using HTML

INSTALL > `gem install pdfkit`



WTF HTML PDF?

wk html to pdf

wkhtmltopdf

Installera wkhtmltopdf (Mac OS X)

Med Homebrew

```
sudo brew install wkhtmltopdf
```

Utan Homebrew (förförkompilerad binär)

```
curl -O http://wkhtmltopdf.googlecode.com/files/wkhtmltopdf-0.9.9-OS-X.i368
```

```
sudo mv wkhtmltopdf-0.9.9-OS-X.i368 /usr/local/bin/  
wkhtmltopdf
```

```
sudo chmod +x /usr/local/bin/wkhtmltopdf
```

Installera wkhtmltopdf (Ubuntu Linux)

Ubuntu 10.10 (Maverick)

```
sudo apt-get install wkhtmltopdf
```

Förkompilerat 64-bit packet för äldre Ubuntu

```
sudo apt-get install openssl build-essential xorg libssl-dev
```

```
wget http://wkhtmltopdf.googlecode.com/files/wkhtmltopdf-0.9.9-static-amd64.tar.bz2
```

```
tar xvjf wkhtmltopdf-0.9.9-static-amd64.tar.bz2
```

```
sudo mv wkhtmltopdf-amd64 /usr/local/bin/wkhtmltopdf
```

```
chmod +x /usr/local/bin/wkhtmltopdf
```

```
sudo chown root:root /usr/local/bin/wkhtmltopdf
```

Installerar wkhtmltopdf (Ubuntu Linux) forts.

Det finns en del som behöver installeras...

```
itstil@tnp:/usr/bin$ sudo apt-get install wkhtmltopdf
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:

```
libaal libaudio2 libcaca0 libdirectfb-1.2-9 libflac8 libgl1-mesa-dri libgl1-mesa-glx libglu1-mesa libjack-jackd2-0  
libmng1 libmodplug1 libmpcdec6 libogg0 libphonon4 libpulse-mainloop-glib0 libpulse0 libqt4-dbus libqt4-network  
libqt4-xml libqtcore4 libqtgui4 libqtwebkit4 libsdl1.2debian libsdl1.2debian-alsa libsmclient libsndfile1 libspeex1  
libsysfs2 libtalloc2 libtheora0 libts-0.0-0 libv4l0 libvorbis0a libvorbisenc2 libwavpack1 libwbclient0 libx11-xcb1  
libxcb-atom1 libxcb-shape0 libxcb-xv0 libxine1 libxine1-bin libxine1-console libxine1-misc-plugins libxine1-x libxv1  
libxvmc1 libxxf86vm1 phonon phonon-backend-xine tsconf
```

Suggested packages:

```
nas libglide3 jackd2 pulseaudio qt4-qtconfig speex gxine xine-ui libxine1-doc libxine1-ffmpeg  
phonon-backend-gstreamer phonon-backend-vlc phonon-backend-mplayer xserver xvfb
```

The following NEW packages will be installed:

```
libaal libaudio2 libcaca0 libdirectfb-1.2-9 libflac8 libgl1-mesa-dri libgl1-mesa-glx libglu1-mesa libjack-jackd2-0  
libmng1 libmodplug1 libmpcdec6 libogg0 libphonon4 libpulse-mainloop-glib0 libpulse0 libqt4-dbus libqt4-network  
libqt4-xml libqtcore4 libqtgui4 libqtwebkit4 libsdl1.2debian libsdl1.2debian-alsa libsmclient libsndfile1 libspeex1  
libsysfs2 libtalloc2 libtheora0 libts-0.0-0 libv4l0 libvorbis0a libvorbisenc2 libwavpack1 libwbclient0 libx11-xcb1  
libxcb-atom1 libxcb-shape0 libxcb-xv0 libxine1 libxine1-bin libxine1-console libxine1-misc-plugins libxine1-x libxv1  
libxvmc1 libxxf86vm1 phonon phonon-backend-xine tsconf wkhtmltopdf
```

0 upgraded, 52 newly installed, 0 to remove and 0 not upgraded.

Need to get 24.5MB of archives.

After this operation, 117MB of additional disk space will be used.

Do you want to continue [Y/n]?

Integrera PDFKit med Rails

Lägg till `config.middleware.use PDFKit::Middleware`
i filen `config/application.rb`



wicked_pdf 0.6.0

Wicked PDF uses the shell utility `wkhtmltopdf` to serve a PDF file to a user from HTML. In other words, rather than dealing with a PDF generation DSL of some sort, you simply write an HTML view as you would normally, and let Wicked take care of the hard stuff.

INSTALL > `gem install wicked_pdf`



Wicked PDF

Integrera Wicked PDF med Rails

```
rails plugin install git://github.com/mileszs/wicked_pdf.git
```

```
cp vendor/plugins/wicked_pdf/generators/wicked_pdf/templates/  
wicked_pdf.rb config/initializers
```

```
rails generate wicked_pdf
```

Wicked **PDF**

PDFKit Github
github.com/jdpace/PDFKit

Wicked PDF Github
github.com/mileszs/wicked_pdf

wkhtmltopdf
code.google.com/p/wkhtmltopdf/

Wicked PDF

PDFKIT

	Prawn	Wicked PDF	PDFKit
Metod	PDF byggs upp programmatiskt	Omvandlar HTML + CSS till PDF mha wkhtmltopdf	
Rails- integration	Rails 2 med prawnto	Ja, som en renderare	Ja, som Rack Middleware
Övrigt	Bra manual	Fungerar inte med 1.9.x för tillfället (*)	Ingen aktivitet på ca 3 1/2 månader



Wicked PDF

PDF KIT