

How to do a film with cam

Benoit Devindre

November 12, 2010

Contents

1	What you need	1
2	How to make a gif animation	1
3	How to make a .mpg movie	1

1 What you need

In the following we assume that you are working on a Unix system (Linux or OS X).

- The mM simulation tool "cam" must be compiled and effective
- "ImageMagick" (i.e. the command convert and mogrify) must be installed
- You may need also "ffmpeg" to convert series of .jpeg files in a .mpg or .avi movie

2 How to make a gif animation

gif animation is simple to proceed and the simplest solution to implement in html.

The main problem is the size of this format which may be very big

1. you make with "cam" a set of .epsf files
2. These files being automatically sorted with a number, you can use "convert" to make the movie in one shot: "convert -delay 10 image_*.epsf film.gif"

3 How to make a .mpg movie

This format has a very good level of compression and can be shown with many applications.

1. you make with "cam" a set of .epsf files
2. These files being automatically sorted with a number, you can use "convert" to make the movie in one shot: "convert -delay 10 image_*.epsf film.mpg". Be careful that "ffmpeg" must be installed to generate .mpg format.

That's all folks