

# Triky s imagemagick a ffmpeg

Na stránce se pracuje!

[http://linuxdevcenter.com/pub/a/linux/2004/03/04/screen\\_capture\\_movies.html](http://linuxdevcenter.com/pub/a/linux/2004/03/04/screen_capture_movies.html)

## ffmpeg

### Vytvoří video z obrázků s FPS 5

```
ffmpeg -r 5 -qscale 1 -i serazeno/%05d.jpg s3.avi
```

### Zkopíruje obrázky do nové složky a před název doplní nuly do počtu znaků 8

```
x=1;
rm serazeno/*
for f in silvestr/*.jpg; do
  cp $f serazeno/`printf %08d $x`.jpg;
  let "x+=1";
done
```

```
i=1;
x=1;
count=1;
rm serazeno/*
for f in bourka/*.jpg; do
  if [ $x == 20 ]; then
    cp $f serazeno/`printf %08d $count`.jpg;
    let count++;
    x=0;
  else
    let x++;
  fi
  echo $i;
  let i++;
done
```

```
x=0;for i in *.avi; do let x++; mkdir "$i".dir; ffmpeg -i "$i" -f image2 "$i".dir/%05d.jpg; done
```

```
x=10000;for i in *.png; do let x--; cp "$i" "../obr2/test${x}.png"; done
```

```
ffmpeg -i video.avi -ss 01:17:20 -t 00:00:41 -sameq video-strih.avi
```

```
ffmpeg -i video.avi -r 16 -f image2 /media/obrazky/%05d.png
ffmpeg -qscale 1 -i /media/obrazky/%05d.png video.avi
```

<http://www.imagemagick.org/Usage/montage/> <http://www.imagemagick.org/Usage/mapping/>

```
montage -size 400x400 null: ../img_photos/[a-m]*_orig.* null: \  
-auto-orient -thumbnail 200x200 \  
-bordercolor Lavender -background black +polaroid -resize 30% \  
-gravity center -background none -extent 80x80 \  
-background SkyBlue -geometry -10+2 -tile x1 polaroid_overlap.jpg
```

```
convert -size 100x100 xc: -channel G -fx 'atan2(i-w/2,h/2-j)/pi/2 + .5' -  
separate map_p_angular.png  
convert -size 100x100 xc: -channel G -fx 'rr=hypot(i-w/2,j-h/2); (.5-  
rr/70)*1.2+.5' -separate map_p_radial.png  
convert -font Candice -gravity center -size 200x50 label:'Around the  
World' text.jpg  
convert map_p_angular.png map_p_radial.png text.jpg -fx 'u[2].p{ u*u[2].w,  
v*u[2].h }' distort_p_circle.jpg
```

```
convert -size 90x80 xc:white xc:black -size 90x40 gradient: +swap -append  
-rotate 90 overlap_mask.png  
convert holocaust_tn.gif -extent 200x90 spiral_stairs_tn.gif  
overlap_mask.png -gravity East -composite overlap_photos.jpg
```

```
convert -size 768x288 xc:black black.png  
convert black.png +append pen1.jpg  
cp pen2.jpg pen1.jpg  
composite -geometry +360+100 pen1.jpg pen2.jpg out.png  
composite -geometry +360+100 pen1.jpg pen2.jpg -resize 1024x768 out.png
```

```
convert -modulate 10,100,100 00059.png 0000.png
```

```
sox input.wav output.wav pitch 1500^C  
sox input.wav output.wav speed 1.3
```

```
101 apt-get install libavcodec-extra-52  
102 bash aac2mp3.sh sound.aac  
103 sox sound.aac.mp3 sound.png spectrogram  
104 mplayer -ao pcm sound.aac -ao pcm:file="outfile.wav"  
105 mplayer -ao pcm faad sound.aac -ao pcm:file="outfile.wav"  
106 sox outfile.wav sound.png spectrogram  
107 sox outfile.wav sound.jpg spectrogram  
108 sox outfile.wav tempo factor 7.5 out.wav  
109 sox outfile.wav -n spectrogram  
110 sox outfile.wav spped.wav speed 7.5  
111 sox outfile.wav spped.wav speed 7  
112 sox outfile.wav spped.wav speed 7.3  
113 sox outfile.wav spped.wav speed 7.4  
114 sox outfile.wav spped.wav speed 7  
115 sox outfile.wav spped.wav speed 6.5  
116 sox outfile.wav spped.wav speed 6.4  
117 sox outfile.wav spped.wav speed 6.43  
118 sox outfile.wav spped.wav speed 6.48  
119 sox outfile.wav spped.wav speed 6.34  
120 sox outfile.wav spped.wav speed 6.3
```

```
121 sox outfile.wav spped.wav speed 6.26
122 sox outfile.wav spped.wav speed 6.255
123 sox outfile.wav spped.wav speed 6.25
124 EXIT
125 exit
126 cd /media/icybox/
127 ls
128 avimerge --help
129 avimerge -i video1.avi video2.avi -o video.avi
130 vlc video.avi
131 ffmpeg -i GOPR0028.MP4 -vn -acodec pcm_s16le -ar 44100 -ac 2
sound.wav
132 ffmpeg -i GOPR0028.MP4 -vn -acodec pcm_s16le -ar 44100 -ac 2
sound.mp3
133 ffmpeg -i GOPR0028.MP4 -ab 128 -ar 44100 nodame_theme.mp3
134 ffmpeg -i GOPR0028.MP4 -ab 128 nodame_theme.mp3
135 ffmpeg -i GOPR0028.MP4 nodame_theme.mp3
136 mediainfo
137 ffmpeg GOPR0028.MP4
138 ffmpeg -i GOPR0028.MP4
139 ffmpeg -i GOPR0028.MP4 sound.aac
```

From:  
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