

```
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/prog$ ls -al
total 980
drwx----- 2 mignotte mignotte  4096 Jul 28 17:05 .
drwx----- 5 mignotte mignotte  4096 Jul 21 15:20 ..
-rwx----- 1 mignotte mignotte 262198 Jul 21 15:20 barbara512_Degraded.pgm
-rwx----- 1 mignotte mignotte 262170 Jul 21 15:20 barbara512.pgm
-rwx----- 1 mignotte mignotte   105 Jul 21 15:20 compilegcc
-rwx----- 1 mignotte mignotte  15223 Jul 21 15:20 FonctionDemo3.c
-rwx----- 1 mignotte mignotte   2068 Jul 21 15:20 FonctionDemo3.h
-rw-rw-r-- 1 mignotte mignotte  17480 Jul 28 17:05 FonctionDemo3.o
-rwx----- 1 mignotte mignotte  65590 Jul 21 15:20 Img1.pgm
-rwx----- 1 mignotte mignotte  65590 Jul 21 15:20 Img2.pgm
-rwx----- 1 mignotte mignotte  65590 Jul 21 15:20 Img3.pgm
-rwx----- 1 mignotte mignotte  65590 Jul 21 15:20 Img4.pgm
-rwx----- 1 mignotte mignotte  16453 Jul 21 15:20 lena128.pgm
-rw----- 1 mignotte mignotte  16438 Jul 28 17:06 lena512_InterpolPPV.pgm
-rwx----- 1 mignotte mignotte  65562 Jul 21 15:20 ParcMontRoyal.pgm
-rwxrwxr-x 1 mignotte mignotte  22459 Jul 28 17:05 Tp3_IFT3205_2
-rwx----- 1 mignotte mignotte   2141 Jul 21 15:20 Tp3_IFT3205_2.c

mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/prog$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/prog$ ./compilegcc Tp3_IFT3205_2
```

compilation du programme Tp3_IFT3205_2.c

```
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/prog$ ./Tp3_IFT3205_2
```

---> Ouverture de lena128.pgm

--Entete--

P5

CREATOR: XV version 3.10a-jumboFix+Enh of 20070520

128 128

255

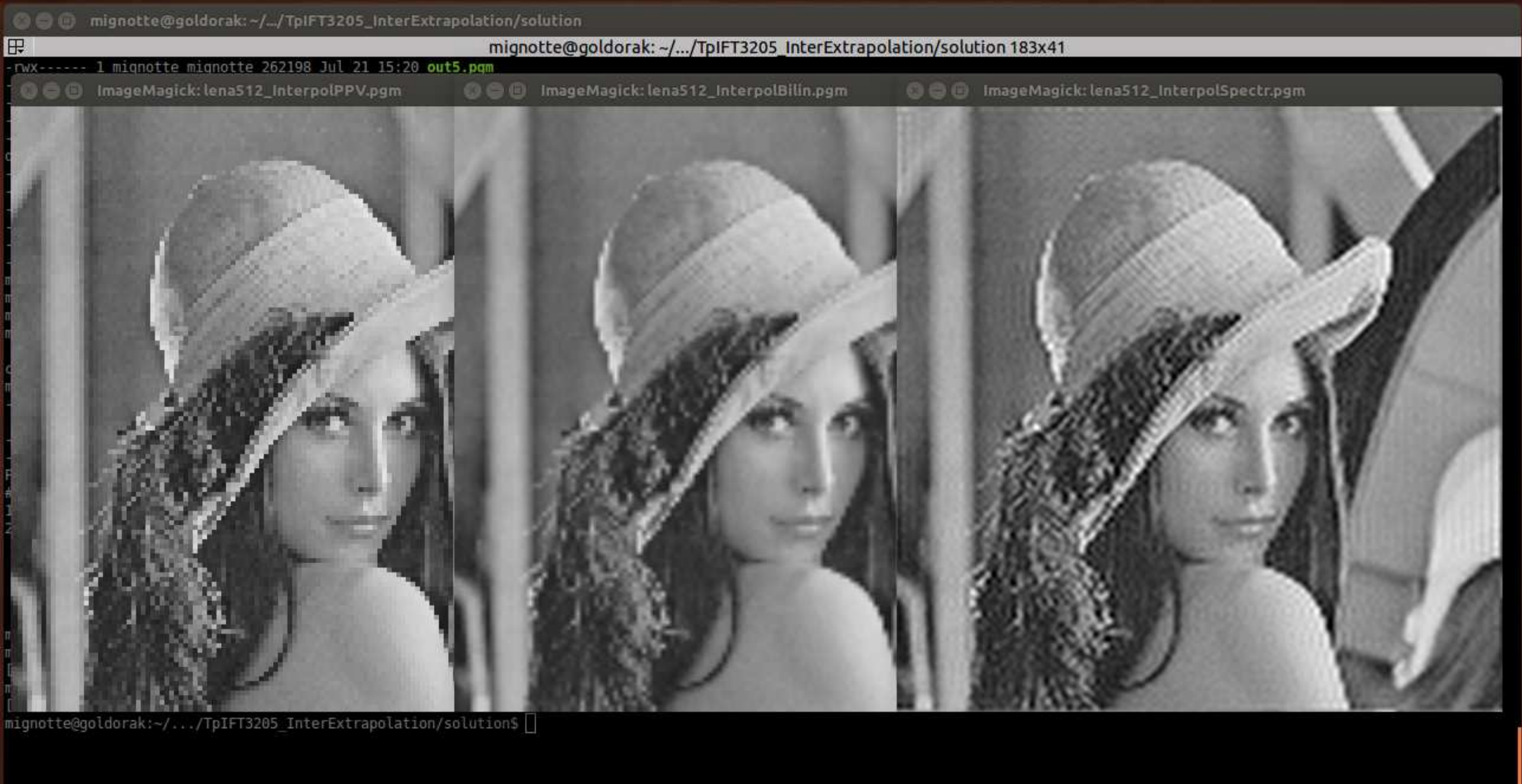
Sauvegarde de lena512_InterpolPPV au format pgm

display lena512_InterpolPPV.pgm&

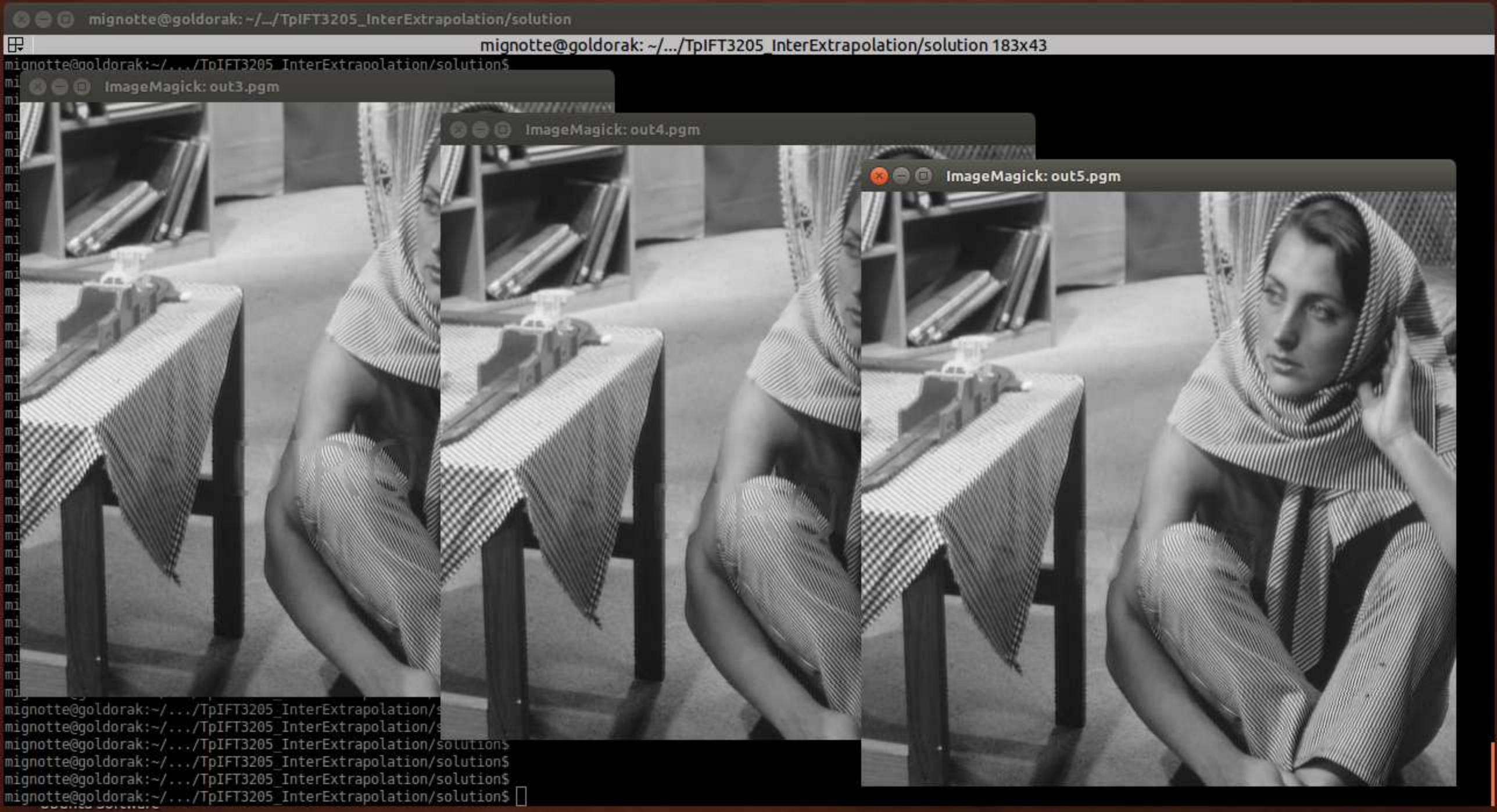
C'est fini ...

```
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/prog$
```









mignotte@goldorak: ~/.../TpIFT3205_InterExtrapolation/solution 183x43

   ImageMagick: out0.pgm



ImageMagick: out5.pgm



• • • • •

 $k=3$

k

k

Length

Width




```
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$  
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$  
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$ ./Tp3_IFT3205_4  
---> Ouverture de ParcMontRoyal.pgm
```

```
--Entete--
```

```
-----
```

```
P5
```

```
# CREATOR
```

```
256 256
```

```
255
```

```
MoyImg=113.0
```

```
[Iter=0]<1.000::0.50><NbRows=180>  
[Iter=6]<0.735::0.37><NbRows=174>  
[Iter=12]<0.540::0.27><NbRows=168>  
[Iter=18]<0.397::0.20><NbRows=162>  
[Iter=24]<0.292::0.15><NbRows=156>  
[Iter=30]<0.215::0.11><NbRows=150>  
[Iter=36]<0.158::0.08><NbRows=144>  
[Iter=42]<0.116::0.06><NbRows=138>  
[Iter=48]<0.085::0.04><NbRows=132>  
[Iter=54]<0.063::0.03><NbRows=126>  
[Iter=60]<0.046::0.02><NbRows=120>  
[Iter=66]<0.034::0.02><NbRows=114>  
[Iter=72]<0.025::0.01><NbRows=108>  
[Iter=78]<0.018::0.01><NbRows=102>  
Sauvegarde de ParcMontRoyal_R au format pgm  
display ParcMontRoyal.pgm& display ParcMontRoyal_R.pgm&  
C'est fini ...
```

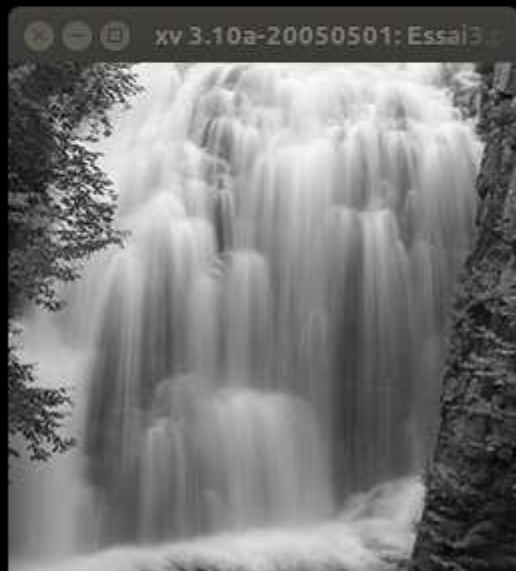
```
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
```



mignotte@goldorak: ~/IFT3205CorrectionTPs/TpIFT3205_InterExtrapolation/solution

mignotte@goldorak: ~/IFT3205CorrectionTPs/TpIFT3205_InterExtrapolation/solution 184x39

mignotte@goldorak:~/IFT3205CorrectionTPs/TpIFT3205_InterExtrapolation/solution\$




```

-rwx----- 1 mignotte mignotte 73270 Jul 21 15:20 image-TpIFT3205-4-1.pgm
-rwx----- 1 mignotte mignotte 16453 Jul 21 15:20 lena128.pgm
-rwx----- 1 mignotte mignotte 262198 Jul 21 15:20 lena512_InterpolBilin.pgm
-rwx----- 1 mignotte mignotte 262198 Jul 21 15:20 lena512_InterpolPPV.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:13 lena512_InterpolSpectr.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out0.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out1.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out2.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out3.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out4.pgm
-rwx----- 1 mignotte mignotte 262161 Jul 28 17:28 out5.pgm
-rwx----- 1 mignotte mignotte 73270 Jul 21 15:20 ParcMontRoyal_Extrapole.pgm
-rwx----- 1 mignotte mignotte 65562 Jul 21 15:20 ParcMontRoyal.pgm
-rwx----- 1 mignotte mignotte 635577 Jul 21 15:20 ParcMontRoyal_Real.jpg
-rwx----- 1 mignotte mignotte 88633 Jul 28 17:46 ParcMontRoyal_R.pgm
-rwxrwxr-x 1 mignotte mignotte 26829 Jul 28 17:11 Tp3_IFT3205_2
-rwx----- 1 mignotte mignotte 5608 Jul 21 15:20 Tp3_IFT3205_2.c
-rwxrwxr-x 1 mignotte mignotte 35134 Jul 28 17:28 Tp3_IFT3205_3
-rwx----- 1 mignotte mignotte 12064 Jul 21 15:20 Tp3_IFT3205_3.c
-rwxrwxr-x 1 mignotte mignotte 27001 Jul 28 17:44 Tp3_IFT3205_4
-rwx----- 1 mignotte mignotte 6160 Jul 21 15:20 Tp3_IFT3205_4.c
drwx----- 2 mignotte mignotte 4096 Jul 21 15:20 Ztmp
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$ xv Essai4.pgm&
[1] 15174
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$ xv Essai4_R150.pgm&
[2] 15175
mignotte@goldorak:~/.../TpIFT3205_InterExtrapolation/solution$

```

