Plot2D

March 13, 2017

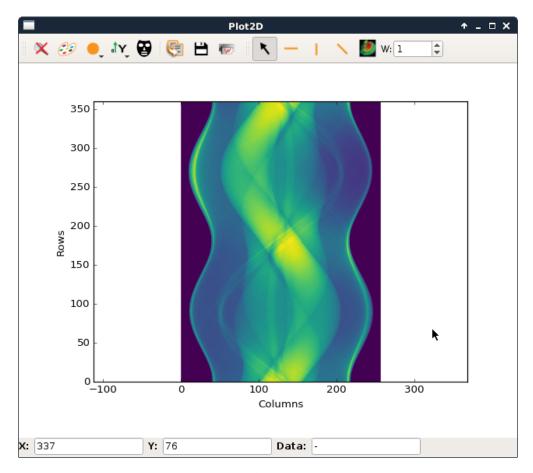
1 Simple plot of a 2D image

- http://www.silx.org/doc/silx/dev/modules/gui/plot/plotwindow.html
- http://www.silx.org/doc/silx/dev/modules/gui/plot/getting_started.html

1.1 load data from data/lena.hdf5

1.2 Plot the image

1.3 Change the color map



plot2D

```
plot.addImage(data) # Plot the 2D data set with default colormap
plot.show()
```

1.4 origin keyword

1.5 scale keyword

2 multiple image

display the followin image (data is in data/ascent.h5) using only: - data - Plot2D functions

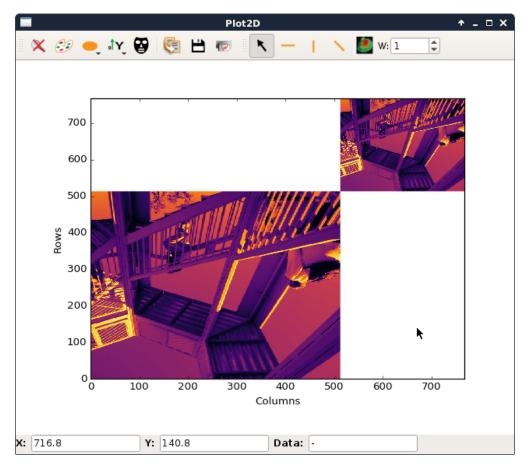
2.1 load data

```
In [5]: # input using .hdf5
    import h5py
    dataPath='data/ascent.h5'
    f=h5py.File(dataPath)
    data=data = numpy.array(f['data'], dtype='float64')
```

2.2 plot data

2.3 Control axes

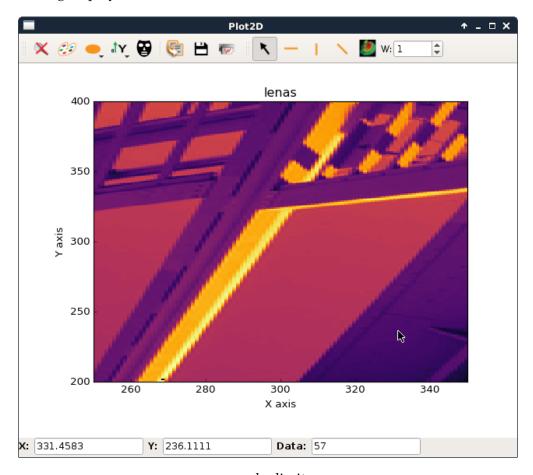
• change title, X and Y labels



ascent double

2.4 x and y limits

get the following display:

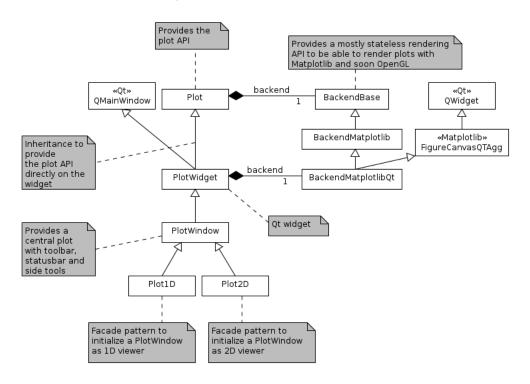


x and y limits

3 Histogram nd

• we want to create the histogram of the pixel intensity in the image

For information: Plot class diagram



plot class diagram

In []: