Subject: Display of hyperspectral image in the window of a specified size
Posted by Abhinav Gupta on Tue, 27 Oct 2015 10:06:38 GMT

Hi all, I am trying to display an image in IDL by using following command,

window, 1, xsize=num_cols, ysize=num_rows, title=fname
   tvscl, image[0,*,*]

It works fine, but image is very big, that's why window doesn't fit in the monitor display. Is there a way to customize the window size.

Subject: Re: Display of hyperspectral image in the window of a specified size
Posted by Helder Marchetto on Tue, 27 Oct 2015 10:30:06 GMT

On Tuesday, October 27, 2015 at 11:06:45 AM UTC+1, Abhinav Gupta wrote:
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a way to customize the window size.

Hi,
you have (at least) two options:

1) make your image smaller using either rebin() (integer rescaling factor) or congrid() (any
rescaling factor). Something like this:
factor = 2.5
img = congrid(image[0,*,*], num_cols/factor, num_rows/factor)
window, 1, xsize=num_cols/factor, ysize=num_rows/factor, title=fname
tvscl, img

2) use image() (valid for last IDL versions):
factor = 2.5
oImg = image(image[0,*,*], dimensions=[num_cols, num_rows]/factor, title=fname)

Enjoy,
Helder

References:
http://www.exelisvis.com/docs/REBIN.html
http://www.exelisvis.com/docs/CONGRID.html
http://www.exelisvis.com/docs/IMAGE.html