Subject: scientific image
Posted by Ali Gamal on Wed, 30 Dec 2015 12:25:20 GMT
View Forum Message <> Reply to Message

Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

Subject: Re: scientific image
Posted by Helder Marchetto on Wed, 30 Dec 2015 12:56:34 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 12:25:25 PM UTC, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

I guess you're looking for these procedures:
http://www.exelisvis.com/docs/PROFILE.html
http://www.exelisvis.com/docs/PROFILES_Procedure.html

Cheers,
Helder

Subject: Re: scientific image
Posted by Ali Gamal on Wed, 30 Dec 2015 13:27:05 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

I want other thing, I will draw line on my image then I want to extract the intensity of every pixel at this line, then draw it.

Subject: Re: scientific image
Posted by Helder Marchetto on Wed, 30 Dec 2015 13:32:35 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 1:27:08 PM UTC, Ali Gamal wrote:
> On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
>> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?
>
> I want other thing, I will draw line on my image then I want to extract the intensity of every pixel at this line, then draw it.

Isn't this *exactly* what the example in
http://www.exelisvis.com/docs/PROFILE.html
shows?

I quote from the web page:
"This example displays an image, selects a profile, and plots that profile in a new window"

Did you try it at all?

Cheers,
Helder

Subject: Re: scientific image
Posted by Ali Gamal on Wed, 30 Dec 2015 18:24:52 GMT
View Forum Message <> Reply to Message

thanks, I will try it and back again

Subject: Re: scientific image
Posted by Ali Gamal on Sun, 03 Jan 2016 20:14:11 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

thanks, when I try to plot two lines,the first point of second line start from the point of first line as
Mark the two end points of the profile.
From: (113,   276)
To (452,   440)
Mark the two end points of the profile.
From: (452,   440)

I want to choose the start point of the second line, how?

Subject: Re: scientific image
Posted by Ali Gamal on Mon, 11 Jan 2016 16:30:31 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

thanks

Subject: Re: scientific image
Posted by Ali Gamal on Mon, 11 Jan 2016 20:24:49 GMT
View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity
of this line at every pixel, how can I do it?
Now I want to draw normalized intensity
....
restore,file='image.sav'
map=stokesout[*,*,12,0]
cgIMAGE,congrid(map,500,1000),0,1
;make normalized intensity
x=mean(map)
nmap=map/x

....
Now when I use
tvscl,congrid(nmap,500,1000),0,1
the picture appears but when I use
cgIMAGE,congrid(nmap,500,1000),0,1
appears dark screen why? How can I do it correctly?

Subject: Re: scientific image
Posted by David Fanning on Tue, 12 Jan 2016 04:59:36 GMT
View Forum Message <> Reply to Message

Ali Gamal writes:

> Now when I use
> tvscl,congrid(nmap,500,1000),0,1
> the picture appears but when I use
> cgIMAGE,congrid(nmap,500,1000),0,1
> appears dark screen why? How can I do it correctly?

Add the keyword SCALE to your cgImage command.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Subject: Re: scientific image
Posted by Ali Gamal on Tue, 12 Jan 2016 19:23:40 GMT

View Forum Message <> Reply to Message

On Wednesday, December 30, 2015 at 2:25:25 PM UTC+2, Ali Gamal wrote:
> Hi, I have scientific image as idl save file, I want to plot line on it then I want to plot the intensity of this line at every pixel, how can I do it?

okay, thanks