
Subject: cgImage trim
Posted by [amin farhang](#) on Wed, 11 Nov 2015 08:10:21 GMT
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Dear all,

I have an image in a specific range like bellow:

```
cgDisplay, 500, 500
cgplot,dist(200),xrange=[-300,300],yrange=[-300,300],/nodata
cgImage, cgDemoData(5), CTIndex=33,AlphaFGPos=[0.128, 0.126, 0.925,0.9],Transparent=20
```

How could i only display the region between xrange=[-100,100] and yrange=[-100,100]? i.e. the axis range show above ranges and image automatically zoom in that region?

Best regards,

Subject: Re: cgImage trim
Posted by [David Fanning](#) on Wed, 11 Nov 2015 13:43:15 GMT
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Amin Farhang writes:

```
>
> Dear all,
>
> I have an image in a specific range like bellow:
>
> cgDisplay, 500, 500
> cgplot,dist(200),xrange=[-300,300],yrange=[-300,300],/nodata
> cgImage, cgDemoData(5), CTIndex=33,AlphaFGPos=[0.128, 0.126, 0.925,0.9],Transparent=20
>
> How could i only display the region between xrange=[-100,100] and yrange=[-100,100]? i.e. the
> axis range show above ranges and image automatically zoom in that region?
```

You determine which image indices correspond to those axis values and subset your image appropriately. I like to use Value_Locate, usually in conjunction with cgScaleVector, to determine the image indices associated with particular values.

http://www.idlcoyote.com/code_tips/valuelocate.html

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: cgImage trim
Posted by [amin farhang](#) on Thu, 12 Nov 2015 18:00:36 GMT
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Thanks David, its work fine
