
Subject: help - cgimage revise x and y positions
Posted by [dmfl0590](#) on Wed, 13 Jan 2016 17:30:04 GMT
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Hi

I have a 3D image with the following dimensions $Im=[136,136,160]=[x,y,z]$.

I wanted to display only one pixel from x-direction i.e. $Im2=[40,136,160]$.

I used the cgimage like this:

```
Im2 = reform(Im2[40,*,*])
```

```
cgdisplay, 200,200  
cgimage, Im2
```

The image displayed is 2D. The x-direction was y-direction and y-direction the z-direction in 3D case.

Is it possible to revise the x- with y-direction when I display the image? OR in 3D sense the y- with z-direction.

Can anyone help with this?

Thanks

Subject: Re: help - cgimage revise x and y positions
Posted by [wlandsman](#) on Wed, 13 Jan 2016 18:14:28 GMT
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You probably want the TRANSPOSE() function

```
IDL> im = bytarr(30,24,88)
```

```
IDL> im = transpose(im,[1,0,2])    Switch first and second dimensions
```

```
IDL> help,im
```

```
IM      BYTE      = Array[24, 30, 88]
```

--Wayne

On Wednesday, January 13, 2016 at 12:30:11 PM UTC-5, dmfl...@gmail.com wrote:

> Hi

>

> I have a 3D image with the following dimensions $Im=[136,136,160]=[x,y,z]$.

>
> I wanted to display only one pixel from x-direction i.e. `lm2=[40,136,160]`.
>
> I used the `cgimage` like this:
>
> `lm2 = reform(lm2[40,*,*])`
>
> `cgdisplay, 200,200`
> `cgimage, lm2`
>
> The image displayed is 2D. The x-direction was y-direction and y-direction the z-direction in 3D case.
>
> Is it possible to revise the x- with y-direction when I display the image? OR in 3D sense the y- with z-direction.
>
> Can anyone help with this?
>
> Thanks

Subject: Re: help - `cgimage` revise x and y positions
Posted by [dmfl0590](#) on Wed, 13 Jan 2016 18:19:44 GMT
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Yes that's what I want. Thank you :)
