
Subject: Re: zoom at widgets

Posted by [Helder Marchetto](#) on Sat, 28 Nov 2015 23:37:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Saturday, November 28, 2015 at 6:30:04 PM UTC, skymaxwell wrote:

> i did some changes. It's works

>

> IF ((*pState).imageLoaded NE 0) THEN BEGIN

> data=(*pState).plImage

> zoom_data=data[x-4:x+4,y-4:y+4]

> help,zoom_data

> WIDGET_CONTROL,(*pState).draw,GET_VALUE=id

> WSET,id

> zoom_data=REBIN(zoom_data,360,360,/SAMPLE)

> WIDGET_CONTROL,(*pstate).zoom,GET_VALUE=id

> WSET,id

> TVSCL,zoom_data

> ENDIF

> ENDIF

>

> but zoomed images still not like original. Zoomed image pixels are changing own intensivity.
Why ?

Hi,

the intensities you display are adapted (rescaled) between 0 and 255 using the tvscl command. In other words, what tvscl does is this:

tv, bytscl(zoom_data)

If you want the scaling to be the same in the two images, you have to find out what scaling you have in the first image and apply this to the zoomed image.

See <http://www.exelisvis.com/docs/BYTSCL.html> for more information.

If you don't use any scaling in the fist image (that means you simply use tvscl), then you can substitute your tvscl command in the zoom data display with this:

mn=min(data, max=mx)

tv, bytscl(zoom_data, max=mx, min=mn)

I hope it helps.

Cheers,
Helder
