
Subject: Re: Size of image using tvscl?

Posted by [Jean H.](#) on Wed, 11 Jul 2007 19:24:23 GMT

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hazel wrote:

> Hi,
>
> I'm plotting a scaled image using tvscl but I can't seem to change the
> physical size of the resultant image (I need it to be bigger!). I see
> that xsize and ysize will not work for 'pixel-based devices that are
> unable to change the size of their pixels', like my screen. So is
> there no way round this other than to use .ps for example?
>
> Thanks in advance,
>
> Hazel
>
> P.S. I always read this newsgroup and it's got me out of some scrapes
> so thanks!
>

you can try rebin()

```
a = dist(200) ;200*200 pixels  
tv,a  
tv,rebin(a,400,400)
```

Jean

Subject: Re: Size of image using tvscl?

Posted by [David Fanning](#) on Wed, 11 Jul 2007 20:03:33 GMT

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Hazel writes:

> I'm plotting a scaled image using tvscl but I can't seem to change the
> physical size of the resultant image (I need it to be bigger!). I see
> that xsize and ysize will not work for 'pixel-based devices that are
> unable to change the size of their pixels', like my screen. So is
> there no way round this other than to use .ps for example?

On a display, you resize an image with REBIN or (more likely) CONGRID. You use XSIZE and YSIZE when you send the image off to PostScript. Because this is confusing, most people use a TV replacement. For example TVIMAGE (or TVSCALE if you really don't want to byte scale your data yourself) or IMGDISP.

Any of these are device independent. (And they will even handle the resizing for you!)

<http://www.dfanning.com/programs/tvimage.pro>

<http://www.dfanning.com/programs/tvscale.pro>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
