
Subject: Re: clipping images with TV?

Posted by [R.Bauer](#) on Wed, 05 Mar 2003 20:26:52 GMT

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Ted Graves wrote:

> Hi all,
>
> I was curious if there was a simple way to clip displayed images with TV,
> like the way you can specify a clipping window for the PLOTS and XYOUTS
> procedures. I suppose I could manually clip the image before displaying
> it, but I thought I'd check with the gurus first in case they have a
> simpler solution.
>
>
>
>
> Ted Graves
> graves@helix.mgh.harvard.edu

Are you speaking from something like

```
;+
; NAME:
;   reduce_image_size
;
; PURPOSE:
;   This function returns the mask to reduce the white space around a given
image
;
; CATEGORY:
;   PROG_TOOLS/WIDGETS
;
; CALLING SEQUENCE:
;   result=reduce_image_size(image,[border=border])
```

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/reduce_image_size.tar.gz

Reimar

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Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

=====

a IDL library at Forschungszentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: clipping images with TV?

Posted by [egraves](#) on Thu, 06 Mar 2003 15:55:40 GMT

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> ; PURPOSE:
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```

Maybe I should have better elucidated what I want to do. I'm displaying an image with overlaid annotation and ROIs. When I display this to a draw widget, obviously anything that lays outside the window is not drawn. I want this to extend to when I display on a postscript page, so that parts of the image/ROI/annotation that lay outside a given area are not drawn. For PLOTS and XYOUTS, you can specify a clipping window using the CLIP keyword, so that graphics outside this window are not drawn. I was wondering if there was a simple way to do this for images as well, because (at least in IDL 5.4) the CLIP keyword does not apply to the TV procedure.

Ted Graves

graves@helix.mgh.harvard.edu

Subject: Re: clipping images with TV?

Posted by [Craig Markwardt](#) on Fri, 07 Mar 2003 15:50:33 GMT

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egraves@socrates.Berkeley.EDU (Ted Graves) writes:

```
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>>
>> ;+
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>> ; reduce_image_size
>> ;
>> ; PURPOSE:
>> ; This function returns the mask to reduce the white space around a given
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```

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> of the image/ROI/annotation that lay outside a given area are not drawn.
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> keyword, so that graphics outside this window are not drawn. I was
> wondering if there was a simple way to do this for images as well, because
> (at least in IDL 5.4) the CLIP keyword does not apply to the TV procedure.

Something like PLOTIMAGE may suit you. You specify the X and Y extents of the image using IMGX/YRANGE, and then can use the standard XRANGE and YRANGE keywords to clip the image to a smaller size if you desire. You get a coordinate system for free, but you can turn off coordinate axes as you normally would with any PLOT command (XSTYLE=4, YSTYLE=4).

Craig

<http://cow.physics.wisc.edu/~craigm/idl/idl.html> (under graphics)

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
