Subject: Re: thumbnails

Posted by davidf on Thu, 01 Mar 2001 18:41:29 GMT

View Forum Message <> Reply to Message

steve (nobody@nowhere.com) writes:

> Does anyone know how to produce *.eps files with thumbnails (in IDL 5.x)?

IDL 5.4 has some new keywords for producing a PostScript preview image: PRE_XSIZE, PRE_YSIZE, PRE_DEPTH. These are suppose to allow you to create a preview, or thumbnail, image of a particular size.

I just tried it with a screen snapshot:

snapshot = TVRD(True=1)
Set_Plot, 'PS'
Device, /Encapsulate, /Preview, Pre_XSize=100, Pre_YSize=100, \$
 Pre_Depth=8, Color=1
TV, snapshot, True=1
Device, /Close_File

IDL went away for 5-6 several seconds while the file was written. But the resulting file was over 17 MBytes in size!

I think I'm going to stick to the tried and true way of adding preview images in GhostView. :-(

Cheers.

David

--

David Fanning, Ph.D. Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: thumbnails

Posted by dirk on Thu, 01 Mar 2001 19:14:07 GMT

View Forum Message <> Reply to Message

In article <MPG.150845c01328cd21989d75@news.frii.com>, David Fanning <davidf@dfanning.com> wrote: > steve (nobody@nowhere.com) writes:

>

>> Does anyone know how to produce *.eps files with thumbnails (in IDL 5.x)?

>

> IDL 5.4 has some new keywords for producing a PostScript preview

- > image: PRE_XSIZE, PRE_YSIZE, PRE_DEPTH. These are suppose to
- > allow you to create a preview, or thumbnail, image of a particular
- > size.
- > I think I'm going to stick to the tried and true way of
- > adding preview images in GhostView. :-(

David, is this a Windows GhostView feature? I don't see any options like this in the *nix versions. This is what you use to put postscript into Powerpoint and the like presentations, isn't it? I've heard that in powerpoint, you can't see a preview of the postcript plot while you are constructing the presentation, and can only see it during full display.

Anyone have tricks to get the two to programs to work better together? (Thinking about thesis/job talks for next year... *sigh*)

Thanks, Dirk

Subject: Re: thumbnails
Posted by R.Bauer on Thu, 01 Mar 2001 19:16:23 GMT
View Forum Message <> Reply to Message

```
David Fanning wrote:
```

```
>
> steve (nobody@nowhere.com) writes:
>> Does anyone know how to produce *.eps files with thumbnails (in IDL 5.x)?
>
> IDL 5.4 has some new keywords for producing a PostScript preview
> image: PRE XSIZE, PRE YSIZE, PRE DEPTH. These are suppose to
> allow you to create a preview, or thumbnail, image of a particular
> size.
> I just tried it with a screen snapshot:
>
    snapshot = TVRD(True=1)
>
    Set_Plot, 'PS'
>
    Device, /Encapsulate, /Preview, Pre XSize=100, Pre YSize=100, $
>
     Pre Depth=8, Color=1
>
    TV, snapshot, True=1
>
    Device, /Close File
> IDL went away for 5-6 several seconds while the file was written.
> But the resulting file was over 17 MBytes in size!
```

- > I think I'm going to stick to the tried and true way of
- > adding preview images in GhostView. :-(

Oh David,

why would you like to have a preview of about 100cm x 100cm. I believe the units are cm or am I wrong?

cheers Reimar

--R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1) Forschungszentrum Juelich email: R.Bauer@fz-juelich.de

Subject: Re: thumbnails

Posted by Liam E. Gumley on Thu, 01 Mar 2001 19:25:58 GMT

View Forum Message <> Reply to Message

Dirk Fabian wrote:

>

- In article <MPG.150845c01328cd21989d75@news.frii.com>,
- > David Fanning <davidf@dfanning.com> wrote:
- >> steve (nobody@nowhere.com) writes:

>>

>>> Does anyone know how to produce *.eps files with thumbnails (in IDL 5.x)?

>>

- >> IDL 5.4 has some new keywords for producing a PostScript preview
- >> image: PRE_XSIZE, PRE_YSIZE, PRE_DEPTH. These are suppose to
- >> allow you to create a preview, or thumbnail, image of a particular
- >> size.

>

- >> I think I'm going to stick to the tried and true way of
- >> adding preview images in GhostView. :-(
- David, is this a Windows GhostView feature? I don't see any options like
- > this in the *nix versions. This is what you use to put postscript into
- > Powerpoint and the like presentations, isn't it? I've heard that in
- > powerpoint, you can't see a preview of the postcript plot while you are
- > constructing the presentation, and can only see it during full display.

The epstool utility (which is part of GSview) converts PostScript files to EPS format an optionally allows a TIFF preview to be added:

http://www.cs.wisc.edu/~ghost/gsview/index.htm

For example:

% epstool -b -t6p -oplot.eps plot.ps

Note that plot.ps would be created in IDL as a PostScript file in Portrait orientation, *not* an EPS file.

The TIFF preview added by epstool is displayed onscreen when the PostScript file is imported into applications such as Powerpoint or Word. However the PostScript version is rendered when the document is printed on a PostScript printer.

Cheers. Liam.

http://cimss.ssec.wisc.edu/~gumley

Subject: Re: thumbnails

Posted by davidf on Thu, 01 Mar 2001 19:55:33 GMT

View Forum Message <> Reply to Message

David Fanning (davidf@dfanning.com) writes:

> I just tried it with a screen snapshot:

snapshot = TVRD(True=1)>

Set Plot, 'PS' >

- Device, /Encapsulate, /Preview, Pre_XSize=100, Pre_YSize=100, \$
- Pre Depth=8, Color=1 >
- TV, snapshot, True=1 >
- Device, /Close_File

>

>

- > IDL went away for 5-6 several seconds while the file was written.
- > But the resulting file was over 17 MBytes in size!

Whoops! Of course, I should have set the Preview keyword to 2, instead of 1. Now the delay is more on the order or 20 seconds and the file is over 24 MBytes in size. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: thumbnails

Posted by davidf on Thu, 01 Mar 2001 20:17:44 GMT

View Forum Message <> Reply to Message

Reimar Bauer (r.bauer@fz-juelich.de) writes:

> Oh David,

>

- > why would you like to have a preview of about 100cm x 100cm.
- > I believe the units are cm or am I wrong?

Whoops! Of course. The documentation didn't mention anything about units so, naturally, I just assumed DEVICE coordinates. I should have known better. :-(

So this works well:

IDL> set_plot, 'ps'
IDL> device, /encap, /color, pre_xsize=1, pre_ysize=1, /inches, \$
IDL> Pre_depth=8, file='test.eps', preview=2
IDL> tvimage, snap
IDL> device, /close

Takes a fraction of a second, and produces a 1 inch by 1 inch preview image that shows up nicely if I try to import it into Powerpoint.

Interestingly, the thumbnail doesn't show up if I am looking at the thumbnail view with the File Manager. File size is under 1 MByte.

Sorry for the confusion. :-)

Cheers,

David

P.S. Let's just say I still feel partial to the GhostView "Add EPS Preview..." button, even though that thumbnail doesn't show up either with the

brain dead File Manager. But IDL is getting closer...:-)

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: thumbnails

Posted by Paul van Delst on Thu, 01 Mar 2001 22:17:42 GMT

View Forum Message <> Reply to Message

David Fanning wrote:

>

> Reimar Bauer (r.bauer@fz-juelich.de) writes:

>

>> Oh David,

>>

- >> why would you like to have a preview of about 100cm x 100cm.
- >> I believe the units are cm or am I wrong?

>

- > Whoops! Of course. The documentation didn't mention
- > anything about units so, naturally, I just assumed
- > DEVICE coordinates. I should have known better. :-(

They are device coordinates aren't they? Only thing is, after set_plot,'PS' the device becomes a euphemistic piece of paper, no?

:0)

paulv

--

Paul van Delst A little learning is a dangerous thing;

CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;

Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,

Fax:(301)763-8545 And drinking largely sobers us again.

pvandelst@ncep.noaa.gov Alexander Pope.