Subject: Re: graphic formats
Posted by davidf on Thu, 13 May 1999 07:00:00 GMT
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Steve Carothers (onav1@flash.net) writes:

> Is there a way to output plots in an easily portable format such as gif or
> jpg?

Of course. I recommend you become acquainted with the on-line help. It is truly helpful. :-)

```
IDL> ? GIF
IDL> ? JPEG
IDL> ? TIFF
```

You might also want to try my XWindow program. This program will allow you to display a wide variety of IDL graphics commands (including your own if you write them following a few simple rules) in a resizeable window. But the best part is that you can automatically get what you see in the window to print in GIF, JPEG, TIFF, and PostScript output. You can find the program on my web page:

```
http://www.dfanning.com/programs/xwindow.pro
```

I produce almost all the output you see on my web page from this program.

```
XWindow, 'Shade_Surf', Dist(40), /XColors, /Output
```

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: graphic formats
Posted by Steve Carothers on Fri, 14 May 1999 07:00:00 GMT
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Is there a way to output plots in an easily portable format such as gif or jpg? Currently, I can only output plots using the set_plot command, which gives output "formats" of postscript, Hewlett Packard graphic language, and others that aren't easily portable. The next best thing would be to find a cheap UNIX or PC program that can convert postscript to gif without losing resolution. Any help would be much appreciated.

Steve

Subject: Re: graphic formats
Posted by Jeff Meloy on Tue, 18 May 1999 07:00:00 GMT
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In article <hXM_2.974$Qy3.452@news.flash.net>,
"Steve Carothers" <onav1@flash.net> wrote:
> Is there a way to output plots in an easily portable format such as gif or
> jpg? Currently, I can only output plots using the set_plot command, which
> gives output "formats" of postscript, Hewlett Packard graphic language, and
> others that aren't easily portable. The next best thing would be to find a
> cheap UNIX or PC program that can convert postscript to gif without losing
> resolution. Any help would be much appreciated.
>
> Steve
>

Here's a quick example showing how to use the image_create and image_write functions to do what you need.

```
COMMON Colors, r_orig, g_orig, b_orig, $
  r_curr, g_curr, b_curr

;Image types supported
;BMP,GIF,JPEG,MIFF,PCD,PCX,PNG,SUN,TGA,TIFF
imgtyp = 'gif'
imgsz = 400

;display image
DEVICE, pseudo_color = 8
WINDOW, 0, colors = 256, xsize=imgsz, ysize=imgsz
LOADCT, 5
TV,DIST(imgsz)
```

```
;write output
graphic = TVRD(0, 0, imgsz-1, imgsz-1)
cmap = [TRANSPOSE(r_curr), TRANSPOSE(g_curr), TRANSPOSE(b_curr)]
iout = IMAGE_CREATE(graphic, Colormap = cmap, File_type = imgtyp)
status = IMAGE_WRITE('test.'+imgtyp, iout, /overwrite)
```

--
Jeff Meloy

Subject: Re: graphic formats
Posted by jmeloy on Tue, 18 May 1999 07:00:00 GMT
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In article <hXM_2.974$Qy3.452@news.flash.net>,
"Steve Carothers" <onav1@flash.net> wrote:
> Is there a way to output plots in an easily portable format such as gif or
> jpg? Currently, I can only output plots using the set_plot command, which
> gives output "formats" of postscript, Hewlett Packard graphic language, and
> others that aren't easily portable. The next best thing would be to find a
> cheap UNIX or PC program that can convert postscript to gif without losing
> resolution. Any help would be much appreciated.
>
> Steve

Below is a short code segment that demonstrates how to use the image_create and image_write functions

```
COMMON Colors, r_orig, g_orig, b_orig,r_curr,
g_curr, b_curr

imgsz = 400
imgtype = 'gif' ; use
GIF,JPEG,MIFF,PCD,PCX,PNG,SUN,TGA,TIFF

DEVICE,pseudo_color=8
WINDOW, 0, /Free, Xsize = imgsz, Ysize = imgsz,
colors = 256
```

```
LOADCT, 5
cmap = [TRANSPOSE(r_curr), TRANSPOSE(g_curr),
TRANSPOSE(b_curr)]

tvscl, DIST(imgsz)
graphic = TVRD(0, 0, imgsz-1, imgsz-1)

iout = image_create(graphic, Colormap = cmap,
File_type = imgtype)
status = image_write('img.'+imgtype, iout,
/overwrite)

Hope this helps

Jeff
>
```

--== Sent via Deja.com http://www.deja.com/ ==--
---Share what you know. Learn what you don't.---