
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

--

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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 = [TRANSPPOSE(r_curr), TRANSPPOSE(g_curr), TRANSPPOSE(b_curr)]
iout = IMAGE_CREATE(graphic, Colormap = cmap, File_type = imgtyp)
status = IMAGE_WRITE('test.'+imgtyp, iout, /overwrite)
```

--

Jeff Meloy

--== Sent via Deja.com <http://www.deja.com/> ==--

---Share what you know. Learn what you don't.---

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 = [TRANSPPOSE(r_curr), TRANSPPOSE(g_curr),  
TRANSPPOSE(b_curr)]
```

```
tvsc1, 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.---
