Subject: Re: best way to ps an image
Posted by Liam E. Gumley on Wed, 19 Jan 2000 08:00:00 GMT
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rgs wrote:

> This is kinda a dumb question that I'm pretty
> sure I know what to do, but I'm interested to
> see if anyone has already done this, and has a
> good solution.
>
> I am outputing data into a plot window (in direct graphics)
> that requires a large number of solid polyfill rectangles
> (on the order of a few million).
> When I write this to postcript, it makes a huge file
> (50 meg up to ~few hundred), and of course is slow
> to print and view etc.
>
> (drawing to screen isn't a problem. Sure it takes a few seconds,
> but no big deal.)
>
> Obviously making an image would create a much
> better printer file.
>
> Question:
> What is the best (publication quality) way to create
> an image file of graphical output? I would prefer
> postscript, to be consistent with all the other
> figures I do. Are there any scalable image formats?

If you render the image on-screen, then SAVEIMAGE will capture it to a
GIF, JPEG, TIFF etc:
http://cimss.ssec.wisc.edu/~gumley/imagetools.html

You can print the resulting image using whatever image display tool you
have available. On a PC, insert the image into a word processor document
and print it from there. On a UNIX box, display the image in xv, save it
to Postscript format, and print the Postscript version.

Cheers,
Liam.

Subject: Re: best way to ps an image
Posted by bjackel on Wed, 19 Jan 2000 08:00:00 GMT
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Hi Bob

rgs wrote:
> Question:
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> figures I do. Are there any scalable image formats?

We're pretty fond of making big windows, capturing them
to JPEGs, then using jpeg2ps to convert them to EPS files.
Level 2 postscript actually supports JPEG, so the EPS files
are only about 10k larger than the original JPEG, with just
a bit of wrapper around them. The result can be included
in TeX or PDF documents.

Here's a link to jpeg2ps:

http://www.pdflib.com/jpeg2ps/index.html

Hope this helps.
  Brian

Subject: Re: best way to ps an image
Posted by Craig Markwardt on Wed, 19 Jan 2000 08:00:00 GMT
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rgs <dejastockwell@my-deja.com> writes:
> Hail,
>
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> postscript, to be consistent with all the other
> figures I do. Are there any scalable image formats?

Could you not do the following?

 * Read the screen image with TVRD
 * Write the image to disk with WRITE_GIF, or whatever format
       OR
 * Replot the image using TV, or TVIMAGE (from David Fanning) and send
   it to postscript.

Those are the kinds of things that I do.

Good luck,
Craig

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

Subject: Re: best way to ps an image
Posted by Christophe Marque on Wed, 19 Jan 2000 08:00:00 GMT
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> Question:
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>
> Cheers,
> bob

You can create a tiff file and the use tiff2ps avaible for UNIx or linux
systems.
Using:
 tiff2ps -2 -O output.ps intput.tiff
will create a Postscipt level 2 file whose size is roughtly the same of the
tiff file (a little bit more of course)

Bye,

christophe