
Subject: EPS problem
Posted by [src](#) on Sun, 15 Jul 2001 16:38:28 GMT
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hi,

I have a routine that Plots to an eps file, one of the keywords I can give the routine is a Plot_Size. The problem is this: when setting the plot size to 5.0 by 5.0 (cm) the resulting eps file has the labels on the x and y axis chopped off! They are completely missing. When setting the plot size to 10.0 by 10.0 (cm) the x and y labels are displayed. Surely the eps file should be more-or-less the same in both cases since postscript is scalable? The only problem with the 10.0 by 10.0 plot when I rescale (with width=5.0cm) in LaTeX is that the text labels are too tiny to read, which wasn't the case with the 5.0 by 5.0 plot.

Any idea ideas what's going wrong when the Plot_Size is set to 5.0 by 5.0?

thanks in advance,

S

Subject: Re: EPS problem
Posted by [R.Bauer](#) on Wed, 18 Jul 2001 13:46:06 GMT
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Stuart wrote:

>

> hi,

>

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> routine is a Plot_Size. The problem is this: when setting the plot size to 5.0 by 5.0 (cm) the resulting eps file has the labels on the x and y axis chopped off! They are completely missing. When setting the plot size to 10.0 by 10.0 (cm) the x and y labels are displayed. Surely the eps file should be more-or-less the same in both cases since postscript is scalable? The only problem with the 10.0 by 10.0 plot when I rescale (with width=5.0cm) in LaTeX is that the text labels are too tiny to read, which wasn't the case with the 5.0 by 5.0 plot.

>

> Any idea ideas what's going wrong when the Plot_Size is set to 5.0 by 5.0?

> thanks in advance,

>
> S

Dear Stuart,

we are using a plot environment to solve such problems.
There are many less or more difficulty things to know to make a
quadratic plot
in portrait or landscape.

The plot environment is described in my publication (german)
with lots of examples.

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

Some examples you can see at:

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/idl_work_idl_work.examples.category.htm#7

In our environment
plot.landscape=2 --> quadratic plot in portrait
plot.landscape=3 --> quadratic plot in landscape

plot.psflag=0 --> output in window on screen
plot.psflag=1 --> PS
plot.psflag=2 --> EPS

If you prefer your own plot routines then here is a bit of
the theory for EPS for a quadratic plot in portrait.

```
device,filename='idl',encapsulated=1,isolatin1=1,preview=0., $  
yoffset=0. ,ysize=29.7 ,xoffset=0.,xsize=21.0,$  
/color, BITS=8,/portrait
```

now in norm coordinates the length of 5cm for X and Y Axes must be
calculated.

then this data must be given by the position keyword to plot.

Behind the plot and the device,/close the bounding box is to big.

With a command like
epstool -b -c -ofile.eps good.eps

the bounding box will be set to the best size.

hope this helps

regards

Reimar

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Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)

Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de

<http://www.fz-juelich.de/icg/icg1/>

=====
a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>
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read something about linux / windows

<http://www.suse.de/de/news/hotnews/MS.html>
