
Subject: Re: Postscript in IDL ..
Posted by [R.Bauer](#) on Fri, 01 Jun 2001 13:49:24 GMT
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Dear R.A.

"R.Aspey" wrote:

>
> I am looking at using IDL to publish some pictures in a
> TeX document. Lets say I have data sets in either
> CSV or tab delimited.

You may use our read_data_file,

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/read_data_file.tar.gz

This routine reads directly a whole datafile into a structure.
You have only to select the filename.

Restriction:
data is a tabular without text

For licensing please have a look at

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

>
> Can I produce postscript or EPS files directly and
> if so does anyone have a script they could send me
> with most of the stuff in to save me having to read manuals..

Yes!

To get a very good output as EPS or PS or on Screen we have
developed a plot environment
I have written a publication with lots of examples to explain this in
more detail.

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

PRO example

```
D=read_data_file('file.txt')
```

```
x=(d.data[0,*])[*]
```

```
y1=(d.data[1,*])[*]  
  
plotprepare,plot  
  
plot.stamp=0  
plot.psflag=2  
plot.psfile='example'  
  
plotinit,plot  
plotxy,plot,x=x,y=y1  
plotend,plot  
END
```

With the plot.psflag you can switch between different output devices

for example
0 is output on screen
1 is PS
2 is EPS
and some others

the plotxy handles the thickness of lines, charsize and symbols,
page layout and positions for all different outputs.

So you get on each device a very good result.

The package includes XY, error bars, probability, 2D, XY_2D, Maps and 3D
at the moment.

>
> What is the default data file format used for ascii import using IDL?

there is no default, but it's always good not mixing text and numbers
in a table.

>
> A few things but I don't really want to spend my life
> learning things I may only use once every now and then

How old are you ?

>
> Any comments would be very much appreciated.
>
> regards
> R.A.
> raspey@liv.ac.uk

cia
Reimar

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

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a IDL library at Forschungszentrum Jülich

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

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