Subject: Re: Postscript line thickness
Posted by R.Bauer on Thu, 22 May 2003 20:32:11 GMT
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Haje Korth wrote:

> Reimar,
> I am not sure whether I want to make significant changes to my already too
> complicated application. However, I would like to take a look at your
> plotxy package and consider it for future projects. The web site you gave
> me contains a lot of examples but I did not see the actual package offered
> for download. Could you please post this link for us?
>
> Greetings,
> Haje
>
>

Dear Haje,

the whole source could you find in our library at
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html
I am working at the moment on the next version of our library for
publishing.

In February we started to set up a compiled library routine of all needed
source modules of the plot library. Because this is much easier as
publishing the whole library, (using the compile routine developed 2001)

At http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_bin/plotpr epare.sav
you will find the actual version I builded today.
This binary file depends always on our working library. One is useable half
a year long. Then it stops. This is only for preventing to have a real old
one.

IDL> plotprepare,plot,dim=1
% Restored file: PLOTPREPARE.
% PLOTPREPARE: Copyright: FZ-Juelich, ICG-I,ICG-II
% PLOTPREPARE: Further Information:
http://www.fz-juelich.de/icg/icg-i/idl_icgl
ib/idl_lib_intro.html
% PLOTPREPARE: BUILD DATE: 2003-05-22 20:41:20 000

A sav file is always same called as the depending pro file
If you have this in your search path you should be able to run every of the
examples which does not need datafiles from us.

In 2000 I have written a publication in German about this package and others.
http://www.fz-juelich.de/zb/text/publikation/xjuel3786.html

The timedata format was defined by Ray Sterner(JHUAPL) and he named it julian seconds. ESA renamed it to MJD (Modified Julian Day).
It is defined as seconds since 2000-01-01 00:00:00 UTC. Some routines inside the sav file are from the JHUAPL library.

A list of all compiled routines you get after loading plotprepare with
IDL> PRINT,(plotprepare_info()).routines

This file may be interesting too
http://www.fz-juelich.de/icg/icg-i/idl_icglib/most_important .html

And here at least one more example:

```
PRO plot_test
  x=DINDGEN(100)+string2js(/now)
  y=SIN(FINDGEN(100)/10.)
  y2=COS(FINDGEN(100)/10.)

  plotprepare,plot,dim=1

  xp_layout,plot

  plotinit,plot
  plot.timeformat='HH:MM'
  plot.xtitle='time'
  plot.ytitle='data'
  plotxy,plot,x=x,y=y,/time
  plot.color=plot.color_nc.red
  plotxy,plot,x=x,y=y2,/time

  xp_legend,plot

  plotend,plot
  printout,'test'
END
```

This script shows the usage of two xp widget modules.

The changes you did by the widgets are writtem into the file
test_plot.pro. The widgets get a comment sign in front.
Then at the end a postscript file test.ps is created.

regards

Reimar

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