Subject: How to get page size for PRINTER device?
Posted by Liam E. Gumley on Mon, 04 Dec 2000 08:00:00 GMT
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According to the IDL 5.4 documentation:

"The DIALOG_PRINTERSETUP function opens a native dialog for setting the
applicable properties for a particular printer."

Let's say I've selected the PRINTER graphics device, and I've called
DIALOG_PRINTERSETUP to change the paper size from Letter to A4, e.g.

IDL> set_plot, 'PRINTER'
IDL> result = dialog_printersetup()

Is there any way to return the new page size to an IDL application? I'm
talking about the actual width and height of the paper (i.e. 21.0 x 29.7 cm
for A4), not the dimensions of the drawable area on the page (17.78 x 12.7
cm by default).
Even if one uses a printer object, I don't see how the paper size can be
obtained.

Cheers,
Liam.
http://cimss.ssec.wisc.edu/~gumley

Subject: Re: How to get page size for PRINTER device?
Posted by davidf on Wed, 06 Dec 2000 08:00:00 GMT
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Phillip David (phillip_david@xontech.com) writes:

> So let me see if I understand correctly. Are you saying that the
> printable edges of the paper differ between the left and right sides?
> Or perhaps between the top and bottom? If not, why not just calculate
> things to center them on the PRINTABLE page? Wouldn't that also center
> them on the physical page?
>
> Or perhaps I'm just not getting it.

Oh, I hate these public arguments that expose
my ignorance. :-(

Yes, I think you are right. Here is a program that
will center a square plot on the printer page:

  PRO center_plot

```
xsize = 10
ysize = 10
thisDevice = !D.Name
Set_Plot, 'Printer'
Device, Get_Page_Size=pseudoPageSize
xprintArea = pseudoPageSize[0] / !D.X_PX_CM
yprintArea = pseudoPageSize[1] / !D.Y_PX_CM
xoff = (xprintArea - xsize) / 2.0
yoff = (yprintArea - ysize) / 2.0
Device, XSize=xsize, YSize=ysize, XOffset=xoff, YOffset=yoff
PlotS, [0,1,1,0, 0], [0, 0, 1, 1,0], /Normal
Device, /Close_Document
Set_Plot, thisDevice
END
```

Sheesh. Back to the programming grind...

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: Re: How to get page size for PRINTER device?
Posted by Martin Schultz on Wed, 20 Dec 2000 12:57:48 GMT
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David Fanning wrote:
>
> Phillip David (phillip_david@xontech.com) writes:
>
>> So let me see if I understand correctly. Are you saying that the
>> printable edges of the paper differ between the left and right sides?
>> Or perhaps between the top and bottom? If not, why not just calculate
>> things to center them on the PRINTABLE page? Wouldn't that also center
>> them on the physical page?
>>
>> Or perhaps I'm just not getting it.
>
> Oh, I hate these public arguments that expose
> my ignorance. :-(
>

>

Not all is lost, David. In fact, I already encountered printers with
different top and bottom margins at least - though I think left and
right are always equal. Anyway: who cares for a few 1/64th inches
(damn, mm is so much easier) asymmetrie on the top or bottom...

Cheers,
Martin

>
> --
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