
Subject: Re: Strange PRINTER Coordinates

Posted by [Craig Markwardt](#) on Mon, 31 Jul 2000 07:00:00 GMT

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I believe that the PRINTER device must keep track of the printable region on the page. It's different for different printers. If you look under \$IDL_DIR/resource/xprinter/ppds, you can locate lines like this in each ppd file:

*ImageableArea Letter: "18 8 593 784 "

*ImageableArea Legal: "65 42 547 966 "

What is unfortunate is that the IDL coordinate system is referenced to corner of the printable region rather than the corner of the physical page, like most sane page description languages would do.

Craig

Ben Tupper <btupper@bigelow.org> writes:

> David Fanning wrote:

>

>>

>> Does this seem to happen on your printers, too?

>

> Yes.

>

>>

>>

>> Here is a test case for an 8.5 x 11 inch sheet of
>> paper:

>>

>> thisDevice = !D.Name

>> Set_Plot, 'PRINTER'

>> Device, /Portrait

>> Device, XSize=6, YSize=6, XOffset=1.25, YOffset=2.5, /Inches

>> PlotS, [0,1,1,0,0], [0,0,1,1,0], /Normal

>> Device, /Close_Document

>> Set_Plot, thisDevice

>>

>> Is this box centered on your printer? What printer?

>> What version of IDL? If it is not centered, does

>> subtracting 0.25 from each offset help?

>>

>

> Not centered with code as written.

>

> Not centered with XOffset = XOffset - 0.25 , but closer to being
> centered. I must remove 0.5 inches to get correct centering.
>
> Printer: HP DeskJet 1600CM
>
> IDL> help, !Version,/Str
> ** Structure !VERSION, 5 tags, length=40:
> ARCH STRING 'PowerMac'
> OS STRING 'MacOS'
> OS_FAMILY STRING 'MacOS'
> RELEASE STRING '5.3'
> BUILD_DATE STRING 'Nov 10 1999'
>
> I have seen this before; I had always assumed that typical paper
> margins were honored in the background. of course there are many things
> that I have assumed...
>
> Ben
>
> --
> Ben Tupper
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> West Boothbay Harbor, Maine
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> note: email address new as of 25JULY2000
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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
