
Subject: why the output of PS and Screen aren't the same?

Posted by [tom](#) on Thu, 31 Jan 2002 22:45:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi, sometimes the output of PS(set_plot,'ps') is not the same as what I see on the screen(set_plot,'win'), for example, the text may have different position and size. How to solve the problem? Would you please tell me the plot format you used for print? Appreciate your answers. Tom

Subject: Re: why the output of PS and Screen aren't the same?

Posted by [Liam E. Gumley](#) on Fri, 01 Feb 2002 16:49:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

tom wrote:

> Hi, sometimes the output of PS(set_plot,'ps') is not the same as what I see
> on the screen(set_plot,'win'), for example, the text may have different
> position and size. How to solve the problem? Would you please tell me the
> plot format you used for print? Appreciate your answers. Tom

People have written whole book chapters about this problem!

That said, you might get quick satisfaction with the PSON and PSOFF procedures I wrote as examples for my book. You can get them as part of the sample programs package at

http://www.gumley.com/PIP/About_Book.html

Once you have these two procedures installed, you can do something like this:

```
;- Create a test plot in a graphics window
window, /free
x = findgen(200) * 0.1
plot, x, sin(x), title='A Test Plot'
```

```
;- Start PostScript output
pson, filename='testplot.ps'
```

```
;- Redo the plot
plot, x, sin(x), title='A Test Plot'
```

```
;- End PostScript output
psoff
```

The PostScript file testplot.ps should contain a plot with the same aspect ratio and text size as the version in the graphics window. If you want to know the details of how PSON and PSOFF work, get yourself a copy

of "Practical IDL Programming".

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>

Subject: Re: why the output of PS and Screen aren't the same?

Posted by [Paul van Delst](#) on Fri, 01 Feb 2002 19:07:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

"Liam E. Gumley" wrote:

>

> tom wrote:

>> Hi, sometimes the output of PS(set_plot,'ps') is not the same as what I see

>> on the screen(set_plot,'win'), for example, the text may have different

>> position and size. How to solve the problem? Would you please tell me the

>> plot format you used for print? Appreciate your answers. Tom

>

> People have written whole book chapters about this problem!

>

> That said, you might get quick satisfaction with the PSON and PSOFF

> procedures I wrote as examples for my book. You can get them as part of

> the sample programs package at

>

> http://www.gumley.com/PIP/About_Book.html

I use Liam's pson and psoff for this all the time. Nice and simple to use.

paulv

--

Paul van Delst Religious and cultural

CIMSS @ NOAA/NCEP purity is a fundamentalist

Ph: (301)763-8000 x7274 fantasy

Fax: (301)763-8545 V.S.Naipaul

Subject: Re: why the output of PS and Screen aren't the same?

Posted by [David Fanning](#) on Fri, 01 Feb 2002 19:12:53 GMT

[View Forum Message](#) <> [Reply to Message](#)

Liam E. Gumley (Liam.Gumley@ssec.wisc.edu) writes:

> People have written whole book chapters about this problem!

Heck, whole careers have been built around it!

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438, E-mail: david@dfanning.com

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155
