
Subject: Re: PostScript output and Aspect

Posted by [David Fanning](#) on Thu, 29 Nov 2012 23:45:28 GMT

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

JP writes:

> I am trying to get a series of multiple plots using PS_Start and PS_End and can't get the settings right.
> With cgWindow I can get my plots nicely on the screen and even muck around with the aspect ratio and finally save a PNG (not so interested in PostScript actually).
> For example:
>
> cgWindow, wMulti=[0,3,1], wxsize=1000, wySize=300
> cgPlot, randomn(seed, 100), /window, /addcmd
> cgPlot, randomn(seed, 100), /window, /addcmd
> cgPlot, randomn(seed, 100), /window, /addcmd
>
> then I save to PNG using the Save Window As > Raster Image via ImageMagick > PNG option and I get what i want. BUT apparently the resize option in ImageMagick left to the default 0.5 and my PNG is a bit blur. (David, would be nice if there was an option to change that default).

There are all KINDS of options to change the defaults! See the 100 or so keywords to cgControl or cgWindow_SetDefs. ;-)

>
> So I try with:
> PS_Start, 'myImage.png'
> !P.Multi=[0,3,1]
> cgPlot, randomn(seed, 100)
> cgPlot, randomn(seed, 100)
> cgPlot, randomn(seed, 100)
> PS_End, /PNG, Resize=100
>
> Now I get rid of the blur in the PNG but the Aspect of my final plots has changed from what i wanted. I tried to play with the settings using the /GUI option but still can't get it right... Am I missing something very obvious?

Use cgDisplay to set up your "display window". If you are using an actual display, it will create a window with that aspect ratio. If you are in PostScript, it will create a PostScript window with that aspect ratio:

```
ps_start  
cgDisplay, 1000, 300
```

```
...  
ps_end, /png
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: PostScript output and Aspect

Posted by [Phillip Bitzer](#) on Fri, 30 Nov 2012 00:02:06 GMT

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

Well, I was about to say this:

I always like to set the x/ysize of my PS plots explicitly, converting the x/y size to inches:

```
PS_Start, 'myImage.png', XSIZE=10, YSIZE=3, /INCHES
```

which should give you what you want.

...but I think I'll start using `cgDisplay` instead :-)

On Thursday, November 29, 2012 5:37:35 PM UTC-6, JP wrote:

> Hi there,

>

>

>

> I am trying to get a series of multiple plots using `PS_Start` and `PS_End` and can't get the settings right.

>

> With `cgWindow` I can get my plots nicely on the screen and even muck around with the aspect ratio and finally save a PNG (not so interested in PostScript actually).

>

> For example:

>

>

>

> `cgWindow, wMulti=[0,3,1], wxsize=1000, wySize=300`

>

> `cgPlot, randomn(seed, 100), /window, /addcmd`

>

> `cgPlot, randomn(seed, 100), /window, /addcmd`

>

> `cgPlot, randomn(seed, 100), /window, /addcmd`

>

>

>
> then I save to PNG using the Save Window As > Raster Image via ImageMagick > PNG option
and I get what i want. BUT apparently the resize option in ImageMagick left to the default 0.5 and
my PNG is a bit blur. (David, would be nice if there was an option to change that default).
>
>
>
> So I try with:
>
> PS_Start, 'myImage.png'
>
> !P.Multi=[0,3,1]
>
> cgPlot, randomn(seed, 100)
>
> cgPlot, randomn(seed, 100)
>
> cgPlot, randomn(seed, 100)
>
> PS_End, /PNG, Resize=100
>
>
>
> Now I get rid of the blur in the PNG but the Aspect of my final plots has changed from what i
wanted. I tried to play with the settings using the /GUI option but still can't get it right... Am I
missing something very obvious?
>
>
>
> thanks ,
>
>
>
> JP

Subject: Re: PostScript output and Aspect
Posted by [JP](#) on Fri, 30 Nov 2012 00:33:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

Cool! Thanks!

On Friday, 30 November 2012 10:45:28 UTC+11, David Fanning wrote:

> JP writes:
>
>

```

>
>> I am trying to get a series of multiple plots using PS_Start and PS_End and can't get the
settings right.
>
>> With cgWindow I can get my plots nicely on the screen and even muck around with the aspect
ratio and finally save a PNG (not so interested in PostScript actually).
>
>> For example:
>
>>
>
>> cgWindow, wMulti=[0,3,1], wxsize=1000, wySize=300
>
>> cgPlot, randomn(seed, 100), /window, /addcmd
>
>> cgPlot, randomn(seed, 100), /window, /addcmd
>
>> cgPlot, randomn(seed, 100), /window, /addcmd
>
>>
>
>> then I save to PNG using the Save Window As > Raster Image via ImageMagick > PNG
option and I get what i want. BUT apparently the resize option in ImageMagick left to the default
0.5 and my PNG is a bit blur. (David, would be nice if there was an option to change that default).
>
>
>
> There are all KINDS of options to change the defaults! See the
>
> 100 or so keywords to cgControl or cgWindow_SetDefs. ;-)
>
>
>
>>
>
>> So I try with:
>
>> PS_Start, 'myImage.png'
>
>> !P.Multi=[0,3,1]
>
>> cgPlot, randomn(seed, 100)
>
>> cgPlot, randomn(seed, 100)
>
>> cgPlot, randomn(seed, 100)
>
>> PS_End, /PNG, Resize=100

```

>
>>
>
>> Now I get rid of the blur in the PNG but the Aspect of my final plots has changed from what i
wanted. I tried to play with the settings using the /GUI option but still can't get it right... Am I
missing something very obvious?
>
>
>
> Use cgDisplay to set up your "display window". If you
>
> are using an actual display, it will create a window
>
> with that aspect ratio. If you are in PostScript, it
>
> will create a PostScript window with that aspect ratio:
>
>
>
> ps_start
>
> cgDisplay, 1000, 300
>
>
>
> ...
>
> ps_end, /png
>
>
>
> Cheers,
>
>
>
> David
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
>
> Sepore ma de ni thue. ("Perhaps thos speakest truth.")
