
Subject: Angstrom symbol not showing up on PS output
Posted by [mairan.teodoro](#) on Wed, 24 Apr 2013 17:21:35 GMT
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Dear IDL users,

I'm trying to create an Angstrom symbol (using CGSYMBOL) within the PS environment (using PS_START and PS_END). However, the output is not showing the correct Angstrom symbol: the small circle above it is missing.

When I call PS_END with the /PNG option, I can see in the PNG file that everything's OK with the symbol.

Here is the piece of the code where I want the Angstrom symbol to appear:

+++++

```
ps_start, filename=nameout[0]+'ps', /quiet, /nomatch
```

```
[LOTS OF COMMANDS]
```

```
setdecomposedstate, 1, currentstate=mode
```

```
[CGPLOT, CGPLOTS, etc.]
```

```
setdecomposedstate, mode
```

```
cgcolorbar, range=alog10([minvalue,maxvalue]),$
```

```
position=[0.764567+0.01,0.13,0.764567+0.03,0.925709],$
```

```
yminor=1, charsize=0.9, format='(F0.1)', $
```

```
title='Residual flux (erg s$^up-1$ cm$^up-2$ $^angstrom$^up-1$)', $
```

```
/vertical, /right
```

```
ps_end, /png
```

+++++

Anyone have any idea of what's happening?

Thanks in advance.

m.

Subject: Re: Angstrom symbol not showing up on PS output
Posted by [David Fanning](#) on Thu, 25 Apr 2013 17:36:45 GMT
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Mairan Teodoro writes:

> I'm still having trouble to get the Angstrom symbol to show up properly on the PS/PDF output using Device Fonts (!P.FONT=0). I can achieve that if I set !P.FONT=1 just before the text command (I'm using CGTEXT), but the output will be quite different from what I'm using throughout the paper.

>

> If I try to use the lower case Angstrom, everything is just fine, as one can see in this figure:

>

> https://dl.dropboxusercontent.com/u/6573328/Angstrom_lowercase.png

>

> However, if I want to use the upper case Angstrom, which is the correct one, I think there is no room for the small circle to show up in the output for some reason that I don't know. See this figure:

>

> https://dl.dropboxusercontent.com/u/6573328/Angstrom_uppercase.png

>

> Is there any way of setting the size of the text window?

I think it is more likely that this particular hardware font doesn't support the Angstrom sign properly. Fonts are notorious for not being in compliance with standards. True-type fonts are better in this regard because they are usually more "modern."

I find it hard to believe, however, that you can't find a true-type font to match the font in your paper. What kind of font are you using?

In any case, when device independence became my goal, I switched from hardware to true-type fonts and never looked back.

There is no way to set the text "window size" as far as I know. And I doubt very much it would help in this situation anyway.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: Anstrom symbol not showing up on PS output
Posted by [David Fanning](#) on Thu, 25 Apr 2013 17:44:29 GMT
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Mairan Teodoro writes:

> Is there any way of setting the size of the text window?

You look like you are using a large character size, so I suppose it is possible you are writing outside of the graphics "window". Have you tried moving the left-hand edge of your plot over a little to give yourself more room for the axis annotation?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: Anstrom symbol not showing up on PS output

Posted by [mairan.teodoro](#) on Thu, 25 Apr 2013 17:47:00 GMT

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Hi David,

Thank you very much for your quick response (as always!).

Well, I think I will take your advice and switch to true-type fonts, since I know that the upper case accented letters do show up with this type of font.

Thanks again.

m.
