Subject: Anstrom 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: Anstrom 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 lowerca se.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_upperca se.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

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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 View Forum Message <> Reply to Message

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. Covote's Guide to IDL Programming: http://www.idlcovote.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 View Forum Message <> Reply to Message Hi David, Thank you very much for you 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.