
Subject: anstrom

Posted by [Sang-Heon Shim](#) on Tue, 27 Jul 1999 07:00:00 GMT

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Simple question.

How can I put angstrom character ($\text{\AA}$) in the postscript file using true type font?

Thanks.

--

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Subject: Re: anstrom

Posted by [davidf](#) on Tue, 27 Jul 1999 07:00:00 GMT

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Sang-Heon Shim (sangshim@princeton.edu) writes:

> Thanks for the answer. For vector font, your idea works fine. However,
> if I try to use true type font, it doesn't.
>
> IDL>xyouts, 0,0, string(197B), font=0 ; <- to get true type font
> It gives wired character. Thanks.

You also have to set the ISOLATIN1 keyword. This works in both vector and true-type fonts:

```
thisDevice = !D.Name
set_plot, 'PS'
DEVICE, FILE='w.ps', SET_FONT='Helvetica', /TT_FONT, /isolatin1
plot, [0], /nodata, xrange = [-50,50], yrange = [-50,50]
xyouts, 0,0, 'This is some nice test ' + string(197B), Font=0
device, /close
set_plot, thisDevice
```

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

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Dan

Jeff Kolthammer wrote:

>
> Sang-Heon Shim wrote:
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>
> Conveniently, the angstrom character is in the ASCII character set. You can
> generate the character with the "string" function and a byte argument:
>
> IDL> print, STRING(197B)
>
> You could use XYOUTS or something similar when writing to your postscript device;
> the TrueType font, size, et cetera can be controlled using keywords to DEVICE.
>
> For example, the following code draws some axes and drops a large TrueType
> angstrom character in the middle.
>
> IDL> set_plot, 'PS'
> IDL> DEVICE, FILE='w.ps', SET_FONT='Times', /TT_FONT
> IDL> plot, [0], /nodata, xrange = [-50,50], yrange = [-50,50]
> IDL> xyouts, 0,0, string(197B)
> IDL> device, /close

> IDL> set_plot, 'X'
>
> Hope this helps,
>
> Jeff
>
> -----
> Jeff Kolthammer
>
> Nuclear Medicine Division
> Picker International
> Email: jeffk@nm.picker.com

--

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```

Hope this helps,

Jeff

Jeff Kolthammer

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