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Subject: Re: Angstrom symbol in IDL5.6

Posted by [David Fanning](#) on Wed, 23 Apr 2003 13:28:08 GMT

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Kristian Kjaer (Kristian.Kjaer@Risoe.DK) writes:

> On [http://www.dfanning.com/misc\\_tips/angstrom.html](http://www.dfanning.com/misc_tips/angstrom.html) Dave Fanning shows us  
> how to draw an 'Angstrom symbol' (which is of course just the last  
> letter of the alphabet used around here).  
>  
> Something like:  
> angstrom = '!6!sA!r!u!9 %!n!x'  
> XYOUTS, 0.1, 0.5, /Normal, CharSize=5.0, 'Symbol: ' + angstrom  
>  
> But in IDL5.6 this doesn't work so well as in earlier versions: The  
> 'ring' is displaced.  
>  
> Anything to suggest this is not a genuine bug?

Wow. Sure enough. This sure looks like a bug to me.

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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Subject: Re: Angstrom symbol in IDL5.6

Posted by [Liam E. Gumley](#) on Wed, 23 Apr 2003 14:01:00 GMT

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"Kristian Kjaer" <Kristian.Kjaer@Risoe.DK> wrote in message  
news:3EA656F8.65FA0695@Risoe.DK...

> On [http://www.dfanning.com/misc\\_tips/angstrom.html](http://www.dfanning.com/misc_tips/angstrom.html) Dave Fanning shows us  
> how to draw an 'Angstrom symbol' (which is of course just the last  
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>  
> But in IDL5.6 this doesn't work so well as in earlier versions: The  
> 'ring' is displaced.

>  
> Anything to suggest this is not a genuine bug?

I find Matt Craig's TeXtoIDL package to be indispensable for plotting symbols:

<http://physweb.mnstate.edu/mcraig/TeXtoIDL/>

Cheers,  
Liam.  
Practical IDL Programming  
<http://www.gumley.com/>

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Subject: Re: Angstrom symbol in IDL5.6  
Posted by [R.Bauer](#) on Wed, 23 Apr 2003 14:31:36 GMT  
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Kristian Kjaer wrote:

> On [http://www.dfanning.com/misc\\_tips/angstrom.html](http://www.dfanning.com/misc_tips/angstrom.html) Dave Fanning shows us  
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> XYOUTS, 0.1, 0.5, /Normal, CharSize=5.0, 'Symbol: ' + angstrom  
>  
> But in IDL5.6 this doesn't work so well as in earlier versions: The  
> 'ring' is displaced.  
>  
> Anything to suggest this is not a genuine bug?  
>  
> - Kristian

The o is a bit higher as normal in this example but it seems only !A does a centric move up.

```
erase & XYOUTS, 0.1, 0.5, /Normal, $  
CharSize=6.0, '!sA!r!A'+string(BYTE(176))+ '!N'
```

Reimar

--  
Forschungszentrum Juelich  
email: [R.Bauer@fz-juelich.de](mailto:R.Bauer@fz-juelich.de)  
<http://www.fz-juelich.de/icg/icg-i/>

=====

a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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Subject: Re: Angstrom symbol in IDL5.6  
Posted by [CM](#) on Thu, 24 Apr 2003 16:37:49 GMT  
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I don't have 5.6, but you could try this, at least, it works in 5.5:

```
angstrom = STRING(197B)
```

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Subject: Re: Angstrom symbol in IDL5.6  
Posted by [R.Bauer](#) on Thu, 24 Apr 2003 19:00:58 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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CM wrote:

```
> I don't have 5.6, but you could try this, at least, it works in 5.5:  
>  
> angstrom = STRING(197B)
```

I was yesterday looking for this but I missed it

good work

Reimar

--

Forschungszentrum Juelich  
email: [R.Bauer@fz-juelich.de](mailto:R.Bauer@fz-juelich.de)  
<http://www.fz-juelich.de/icg/icg-i/>

=====

a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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Subject: Re: Angstrom symbol in IDL5.6  
Posted by [K. Bowman](#) on Thu, 24 Apr 2003 19:31:19 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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In article <3EA656F8.65FA0695@Risoe.DK>,  
Kristian Kjaer <[Kristian.Kjaer@Risoe.DK](mailto:Kristian.Kjaer@Risoe.DK)> wrote:

```
> On http://www.dfanning.com/misc\_tips/angstrom.html Dave Fanning shows us  
> how to draw an 'Angstrom symbol' (which is of course just the last
```

> letter of the alphabet used around here).  
>  
> Something like:  
> angstrom = '!6!sA!r!u!9 %!n!x'  
> XYOUTS, 0.1, 0.5, /Normal, CharSize=5.0, 'Symbol: ' + angstrom

Not what you wanted, I know, but what about using nanometers (nm). Many journals will no longer allow non-SI units.

Ken Bowman

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Subject: Re: Angstrom symbol in IDL5.6  
Posted by [Kristian Kjaer](#) on Mon, 28 Apr 2003 08:41:19 GMT  
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CM wrote:

> I don't have 5.6, but you could try this, at least, it works in 5.5:  
> angstrom = STRING(197B)

Yes, well, this works (with the default font):

window & XYOUTS, 0.1, 0.5, /Normal, CharSize=6.0, '!3'+STRING(197B)+'!x'

But with a fancy font it does not work:

window & XYOUTS, 0.1, 0.5, /Normal, CharSize=6.0, '!6'+STRING(197B)+'!x'

- Kristian

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